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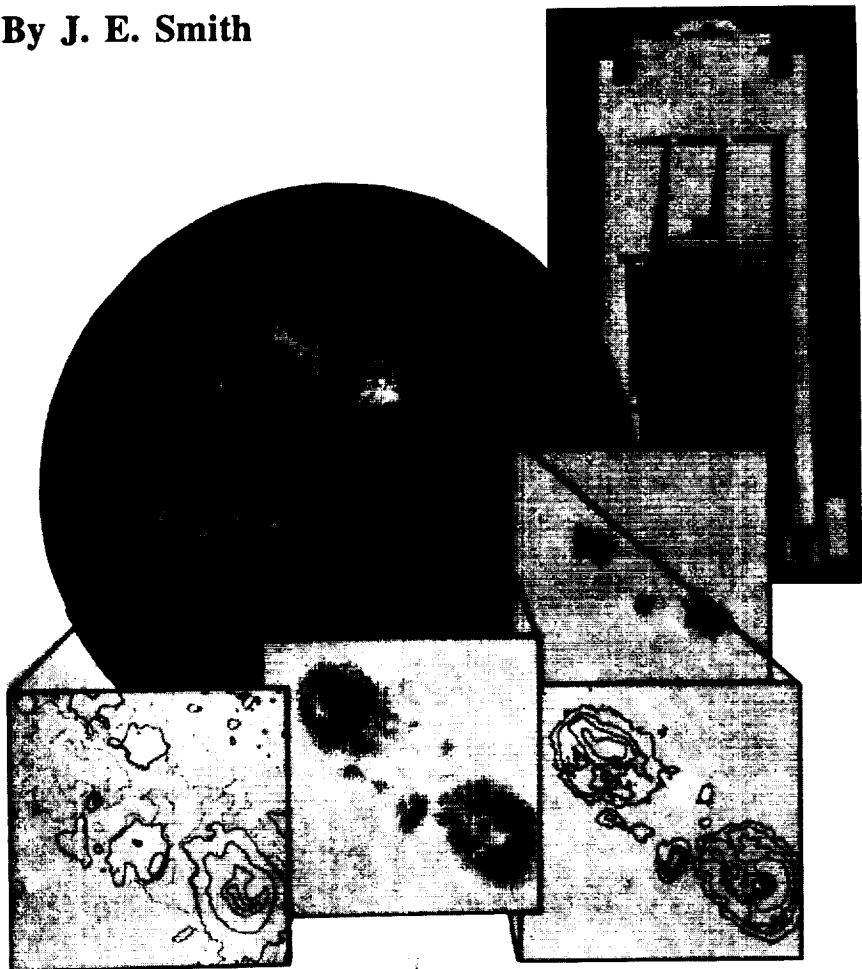
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SPACE FLIGHT CENTER SOLAR  
OBSERVATORY REPORT, JANUARY - JUNE  
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**NASA MARSHALL SPACE FLIGHT CENTER  
SOLAR OBSERVATORY REPORT  
JANUARY-JUNE 1993**

**By J. E. Smith**



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**



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## TECHNICAL MEMORANDUM

### NASA MARSHALL SPACE FLIGHT CENTER SOLAR OBSERVATORY REPORT JANUARY-JUNE 1993

#### INTRODUCTION

This report provides a summary of the solar vector magnetic field, H-alpha, and white-light observations made at the NASA/Marshall Space Flight Center (MSFC) Solar Observatory during its daily periods of operation.

The MSFC Solar Observatory facilities consist of the Solar Magnetograph, an f/13, 30-cm Cassegrain system with a 3.5-cm image of the Sun housed on top of a 12.8-meter tower, a 12.5-cm Razdow H-alpha telescope housed at the base of the tower, an 18-cm Questar telescope with a full aperture white-light filter mounted at the base of the tower, a 30-cm Cassegrain telescope located in a second metal dome, and a 16.5-cm H-alpha telescope mounted on side of the Solar Vector Magnetograph. A concrete block building provides office space, a darkroom for developing film and performing optical testing, a workshop, video displays, and a computer facility for data reduction.

#### THE NASA/MSFC SOLAR MAGNETOGRAPH

The NASA/MSFC Solar Magnetograph is an electro-optical instrument designed to provide information on the states of linear and circular polarization of a narrow wavelength interval ( $1/8 \text{ \AA}$ ) of the 525.022 nm ( $5250.22 \text{ \AA}$ ) solar absorption line over a  $5.75 \times 5.75$  arc minute field of view with a spatial resolution of 2.7 arc seconds and a time resolution of approximately 6 minutes for a complete vector magnetogram with a sensitivity of 1/1000. A complete description of the instrument and its calibration and performance characteristics can be found in references 1 and 3.

#### H-ALPHA FACILITY

The facility houses a 12.5 cm aperture, Razdow H-alpha telescope system. This system consists of an f/8, 1-meter focal length, 5-inch telescope which produces a 16 mm diameter image at the prime focus. The spectral selection is provided by a Halle-Lyot birefringent filter with a  $0.5 \text{ \AA}$  bandpass centered at H-alpha and tunable within  $\pm 1 \text{ \AA}$ . The telescope is equipped with standard mount, drive, and guidance systems, and it provides eyepiece viewing as well as film and TV scan output. The 16.5-cm H-alpha telescope consists of a telecentric Cassegrainian (f/28) objective, Fabry-Perot filter, relay optics, vidicon camera, and film camera. It provides a 4.4-16 arc minute variable field of view, narrow spectral bandwidth, and high spatial resolution.

## WHITE-LIGHT TELESCOPE

An 18-cm Questar telescope with a full aperture white-light prefilter is also available for viewing or photographing sunspots and/or other white-light solar features.

## COMPUTER CENTER

The data reduction capability consists of a PDP 11/73 computer with 2 megabytes memory, control terminals, color graphics display monitor, line printer, two disk systems, and a magnetic tape recorder. The data acquisition computer is a PDP 11/23 with 2 megabytes memory and is used to control the data storage, the real time analysis, and the operation of the vector magnetograph system. The system hardware is controlled by an Intel microcomputer with a Z80 processor. After receiving commands from the PDP 11/23, the Intel configures the hardware to given specifics and then acquires the data. The Intel controls the timing of the solid state camera system, the polarizing optics, and the data transfer into temporary memory.

## DATA DESCRIPTION

The MSFC Vector Magnetograph system records the Sun's photospheric magnetic field over an approximately 6 x 6 arc minute square field of view. The normal mode of operation produces magnetograms with a 128 x 128 data array, yielding a pixel size of 2.8 arc second resolution. It takes about 6 minutes to produce one complete vector set. The data can then be displayed in various contour plots showing the field gradients and directions.

## OBSERVING RECORDS

The MSFC magnetograph observations are summarized in Appendix A. H-alpha observing records are summarized in Appendix B. White-light observing records are summarized in Appendix C.

## REFERENCES

1. Hagyard, M. J., Cumings, N. P., West, E. A., and Smith, J. E., "The MSFC Solar Vector Magnetograph," *Solar Phys.* **80**, 33 (1982).
2. Hagyard, M. J., Cumings, N. P., and West, E. A., Proceedings of Kunming Workshop on Solar Physics and Interplanetary Travelling Phenomena, C. De Jager and Chen Biao, eds., 1216 (1985).
3. Hagyard, M. J., West, E. A., Gary, G. A., and Smith, J. E., "Coaligned Observations of Solar Magnetic Fields at Different Heights--MSFC Center Director's Discretionary Fund Final Report (Project 88-10)," NASA TM-103516, p. 2 (1990).



Abbreviations used in the records are as follows:

Region	Four digits mean Boulder region number 0-represents calibration 1-represents studies at the Sun center 2-represents studies of any quiet area 3-represents studies of coronal holes
$\lambda P$	Polarimeter waveplate position 1-represents position to analyze circularly polarized light 2-represents position to analyze linearly polarized light parallel to the analyzer 3-represents position to analyze linearly polarized light 45° to the analyzer
Enh	Number of image enhancements
FP	Ziess filter position
CF	Center filter position of sunspot
C.T.	Correlation tracker 0-represents off 1-represents on
ODA	Optical disk medium in which the data are stored



## Appendix A

# MAGNETOGRAPH OBSERVATIONS



# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30000.H	05-FEB-93	16:54:04	7417	1	128	1499	1508	ODA	1
S30001.H	05-FEB-93	16:55:53	7417	2	128	1499	1508	ODA	1
S30002.H	05-FEB-93	16:57:26	7417	3	128	1499	1508	ODA	1
S30003.H	05-FEB-93	16:59:43	7417	1	128	1508	1508	ODA	1
S30004.H	05-FEB-93	17:01:21	7417	2	128	1508	1508	ODA	1
S30005.H	05-FEB-93	17:03:01	7417	3	128	1508	1508	ODA	1
S30006.H	05-FEB-93	17:03:58	7417	1	2	1508	1508	ODA	1
S30007.H	05-FEB-93	17:07:57	7417	1	128	1517	1508	ODA	1
S30008.H	05-FEB-93	17:09:30	7417	2	128	1517	1508	ODA	1
S30009.H	05-FEB-93	17:11:03	7417	3	128	1517	1508	ODA	1
S30010.H	05-FEB-93	17:12:47	7417	1	128	1517	1508	ODA	1
S30011.H	05-FEB-93	17:14:24	7417	2	128	1517	1508	ODA	1
S30012.H	05-FEB-93	17:15:57	7417	3	128	1517	1508	ODA	1
S30013.H	05-FEB-93	17:18:31	7417	1	128	1520	1508	ODA	1
S30014.H	05-FEB-93	17:20:06	7417	2	128	1520	1508	ODA	1
S30015.H	05-FEB-93	17:21:39	7417	3	128	1520	1508	ODA	1
S30016.H	05-FEB-93	17:23:59	7417	1	128	1520	1508	ODA	1
S30017.H	05-FEB-93	17:25:37	7417	2	128	1520	1508	ODA	1
S30018.H	05-FEB-93	17:27:12	7417	3	128	1520	1508	ODA	1
S30019.H	05-FEB-93	17:29:01	7417	1	128	1523	1508	ODA	1
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S30021.H	05-FEB-93	17:32:13	7417	3	128	1523	1508	ODA	1
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S30024.H	05-FEB-93	17:41:05	0	3	128	1523	1508	ODA	0
S30025.H	05-FEB-93	17:42:34	0	3	128	1523	1508	ODA	0
S30026.H	05-FEB-93	18:07:06	7418	1	128	1497	1506	ODA	1
S30027.H	05-FEB-93	18:08:38	7418	2	128	1497	1506	ODA	1
S30028.H	05-FEB-93	18:10:12	7418	3	128	1497	1506	ODA	1
S30029.H	05-FEB-93	18:12:14	7418	1	128	1506	1506	ODA	1
S30030.H	05-FEB-93	18:13:56	7418	2	128	1506	1506	ODA	1
S30031.H	05-FEB-93	18:15:21	7418	3	128	1506	1506	ODA	1
S30032.H	05-FEB-93	18:17:19	7418	1	128	1515	1506	ODA	1
S30033.H	05-FEB-93	18:18:54	7418	2	128	1515	1506	ODA	1
S30034.H	05-FEB-93	18:20:25	7418	3	128	1515	1506	ODA	1
S30035.H	07-FEB-93	18:44:21	7420	1	128	1536	1527	ODA	1
S30036.H	07-FEB-93	18:45:55	7420	2	128	1536	1527	ODA	1
S30037.H	07-FEB-93	18:47:43	7420	3	128	1536	1527	ODA	1
S30038.H	07-FEB-93	18:53:31	7420	1	128	1536	1527	ODA	1
S30039.H	07-FEB-93	18:55:13	7420	2	128	1536	1527	ODA	1
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# MAGNETOGRAPH OBSERVATIONS

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S30053.H	07-FEB-93	19:30:50	7420	1	128	1532	1525	ODA	1
S30054.H	07-FEB-93	19:32:25	7420	2	128	1532	1525	ODA	1
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S30056.H	07-FEB-93	19:35:44	7420	1	128	1534	1525	ODA	1
S30057.H	07-FEB-93	19:37:16	7420	2	128	1534	1525	ODA	1
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S30103.H	08-FEB-93	15:07:54	7420	3	128	1534	1525	ODA	1
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S30105.H	08-FEB-93	15:11:08	7420	2	128	1534	1525	ODA	1
S30106.H	08-FEB-93	15:12:41	7420	3	128	1534	1525	ODA	1
S30107.H	08-FEB-93	15:14:28	7420	1	128	1537	1525	ODA	1
S30108.H	08-FEB-93	15:16:02	7420	2	128	1537	1525	ODA	1
S30109.H	08-FEB-93	15:17:54	7420	3	128	1537	1525	ODA	1
S30110.H	08-FEB-93	15:19:41	7420	1	128	1537	1525	ODA	1
S30111.H	08-FEB-93	15:21:30	7420	2	128	1537	1525	ODA	1
S30112.H	08-FEB-93	15:22:55	7420	3	128	1537	1525	ODA	1
S30113.H	08-FEB-93	15:25:14	7420	1	128	1539	1525	ODA	1
S30114.H	08-FEB-93	15:26:39	7420	2	128	1539	1525	ODA	1
S30115.H	08-FEB-93	15:28:02	7420	3	128	1539	1525	ODA	1
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S30139.H	08-FEB-93	16:26:11	7417	2	128	1538	1523	ODA	1
S30140.H	08-FEB-93	16:27:38	7417	3	128	1538	1523	ODA	1
S30141.H	08-FEB-93	16:30:01	0	3	128	1532	1523	ODA	0
S30142.H	08-FEB-93	16:31:22	0	3	128	1535	1523	ODA	0
S30143.H	08-FEB-93	16:32:38	0	3	128	1538	1523	ODA	0
S30144.H	08-FEB-93	16:37:51	7420	1	128	1516	1525	ODA	1
S30145.H	08-FEB-93	16:39:22	7420	2	128	1516	1525	ODA	1
S30146.H	08-FEB-93	16:40:43	7420	3	128	1516	1525	ODA	1
S30147.H	08-FEB-93	16:42:53	7420	1	128	1534	1525	ODA	1
S30148.H	08-FEB-93	16:44:17	7420	2	128	1534	1525	ODA	1
S30149.H	08-FEB-93	16:45:43	7420	3	128	1534	1525	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30150.H	08-FEB-93	16:47:32	7420	1	128	1537	1525	ODA	1
S30151.H	08-FEB-93	16:48:53	7420	2	128	1537	1525	ODA	1
S30152.H	08-FEB-93	16:50:18	7420	3	128	1537	1525	ODA	1
S30153.H	08-FEB-93	16:52:20	7420	1	128	1539	1525	ODA	1
S30154.H	08-FEB-93	16:53:42	7420	2	128	1539	1525	ODA	1
S30155.H	08-FEB-93	16:55:06	7420	3	128	1539	1525	ODA	1
S30156.H	08-FEB-93	17:00:20	7417	1	128	1514	1523	ODA	1
S30157.H	08-FEB-93	17:01:50	7417	2	128	1514	1523	ODA	1
S30158.H	08-FEB-93	17:03:11	7417	3	128	1514	1523	ODA	1
S30159.H	08-FEB-93	17:05:08	7417	1	128	1532	1523	ODA	1
S30160.H	08-FEB-93	17:07:02	7417	2	128	1532	1523	ODA	1
S30161.H	08-FEB-93	17:08:25	7417	3	128	1532	1523	ODA	1
S30162.H	08-FEB-93	17:15:33	7420	1	128	1534	1525	ODA	1
S30163.H	08-FEB-93	17:16:54	7420	2	128	1534	1525	ODA	1
S30164.H	08-FEB-93	17:18:23	7420	3	128	1534	1525	ODA	1
S30165.H	08-FEB-93	17:19:57	7420	1	128	1534	1525	ODA	1
S30166.H	08-FEB-93	17:21:20	7420	2	128	1534	1525	ODA	1
S30167.H	08-FEB-93	17:22:44	7420	3	128	1534	1525	ODA	1
S30168.H	08-FEB-93	17:24:26	7420	1	128	1534	1525	ODA	1
S30169.H	08-FEB-93	17:25:47	7420	2	128	1534	1525	ODA	1
S30170.H	08-FEB-93	17:27:08	7420	3	128	1534	1525	ODA	1
S30171.H	08-FEB-93	17:28:56	7420	1	128	1534	1525	ODA	1
S30172.H	08-FEB-93	17:30:20	7420	2	128	1534	1525	ODA	1
S30173.H	08-FEB-93	17:31:43	7420	3	128	1534	1525	ODA	1
S30174.H	08-FEB-93	17:33:24	7420	1	128	1537	1525	ODA	1
S30175.H	08-FEB-93	17:34:56	7420	2	128	1537	1525	ODA	1
S30176.H	08-FEB-93	17:36:18	7420	3	128	1537	1525	ODA	1
S30177.H	08-FEB-93	17:38:01	7420	1	128	1540	1525	ODA	1
S30178.H	08-FEB-93	17:39:24	7420	2	128	1540	1525	ODA	1
S30179.H	08-FEB-93	17:40:45	7420	3	128	1540	1525	ODA	1
S30180.H	08-FEB-93	17:44:14	7420	1	128	1515	1525	ODA	1
S30181.H	08-FEB-93	17:45:50	7420	2	128	1515	1525	ODA	1
S30182.H	08-FEB-93	17:47:24	7420	3	128	1515	1525	ODA	1
S30183.H	08-FEB-93	17:49:15	7420	1	128	1525	1525	ODA	1
S30184.H	08-FEB-93	17:50:48	7420	2	128	1525	1525	ODA	1
S30185.H	08-FEB-93	17:52:20	7420	3	128	1525	1525	ODA	1
S30186.H	08-FEB-93	17:54:32	7420	1	128	1534	1525	ODA	1
S30187.H	08-FEB-93	17:56:06	7420	2	128	1534	1525	ODA	1
S30188.H	08-FEB-93	18:00:11	7420	3	128	1534	1525	ODA	1
S30189.H	08-FEB-93	18:06:25	7420	1	128	1534	1525	ODA	1
S30190.H	08-FEB-93	18:07:59	7420	2	128	1534	1525	ODA	1
S30191.H	08-FEB-93	18:09:35	7420	3	128	1534	1525	ODA	1
S30192.H	08-FEB-93	18:11:31	7420	1	128	1534	1525	ODA	1
S30193.H	08-FEB-93	18:13:12	7420	2	128	1534	1525	ODA	1
S30194.H	08-FEB-93	18:14:54	7420	3	128	1534	1525	ODA	1
S30195.H	08-FEB-93	18:19:54	7417	1	128	1523	1523	ODA	1
S30196.H	08-FEB-93	18:21:31	7417	2	128	1523	1523	ODA	1
S30197.H	08-FEB-93	18:23:06	7417	3	128	1523	1523	ODA	1
S30198.H	08-FEB-93	18:26:05	7417	1	128	1532	1523	ODA	1
S30199.H	08-FEB-93	18:27:53	7417	2	128	1532	1523	ODA	1



# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30200.H	08-FEB-93	18:30:38	7417	3	128	1532	1523	ODA	1
S30201.H	08-FEB-93	18:32:34	7417	1	128	1535	1523	ODA	1
S30202.H	08-FEB-93	18:34:14	7417	2	128	1535	1523	ODA	1
S30203.H	08-FEB-93	18:35:54	7417	3	128	1535	1523	ODA	1
S30204.H	08-FEB-93	18:39:01	7417	1	128	1538	1523	ODA	1
S30205.H	08-FEB-93	18:40:37	7417	2	128	1538	1523	ODA	1
S30206.H	08-FEB-93	18:42:04	7417	3	128	1538	1523	ODA	1
S30207.H	08-FEB-93	18:52:58	7417	1	128	1532	1523	ODA	1
S30208.H	08-FEB-93	18:54:29	7417	2	128	1532	1523	ODA	1
S30209.H	08-FEB-93	18:55:49	7417	3	128	1532	1523	ODA	1
S30210.H	08-FEB-93	18:57:34	7417	1	128	1535	1523	ODA	1
S30211.H	08-FEB-93	18:59:00	7417	2	128	1535	1523	ODA	1
S30212.H	08-FEB-93	19:00:24	7417	3	128	1535	1523	ODA	1
S30213.H	08-FEB-93	19:02:13	7417	1	128	1538	1523	ODA	1
S30214.H	08-FEB-93	19:03:43	7417	2	128	1538	1523	ODA	1
S30215.H	08-FEB-93	19:05:03	7417	3	128	1538	1523	ODA	1
S30216.H	08-FEB-93	19:07:34	7417	1	128	1513	1523	ODA	1
S30217.H	08-FEB-93	19:08:54	7417	2	128	1513	1523	ODA	1
S30218.H	08-FEB-93	19:10:18	7417	3	128	1513	1523	ODA	1
S30219.H	08-FEB-93	19:14:24	7420	1	128	1534	1525	ODA	1
S30220.H	08-FEB-93	19:15:44	7420	2	128	1534	1525	ODA	1
S30221.H	08-FEB-93	19:17:06	7420	3	128	1534	1525	ODA	1
S30222.H	08-FEB-93	19:19:03	7420	1	128	1537	1525	ODA	1
S30223.H	08-FEB-93	19:20:29	7420	2	128	1537	1525	ODA	1
S30224.H	08-FEB-93	19:21:51	7420	3	128	1537	1525	ODA	1
S30225.H	08-FEB-93	19:23:42	7420	1	128	1540	1525	ODA	1
S30226.H	08-FEB-93	19:25:14	7420	2	128	1540	1525	ODA	1
S30227.H	08-FEB-93	19:26:35	7420	3	128	1540	1525	ODA	1
S30228.H	08-FEB-93	19:29:02	7420	1	128	1516	1525	ODA	1
S30229.H	08-FEB-93	19:30:28	7420	2	128	1516	1525	ODA	1
S30230.H	08-FEB-93	19:31:49	7420	3	128	1516	1525	ODA	1
S30231.H	08-FEB-93	19:33:50	7420	1	128	1534	1525	ODA	1
S30232.H	08-FEB-93	19:35:11	7420	2	128	1534	1525	ODA	1
S30233.H	08-FEB-93	19:36:40	7420	3	128	1534	1525	ODA	1
S30234.H	08-FEB-93	19:38:25	7420	1	128	1537	1525	ODA	1
S30235.H	08-FEB-93	19:39:49	7420	2	128	1537	1525	ODA	1
S30236.H	08-FEB-93	19:41:09	7420	3	128	1537	1525	ODA	1
S30237.H	08-FEB-93	19:45:27	7417	1	128	1513	1523	ODA	1
S30238.H	08-FEB-93	19:46:48	7417	2	128	1513	1523	ODA	1
S30239.H	08-FEB-93	19:48:10	7417	3	128	1513	1523	ODA	1
S30240.H	08-FEB-93	19:50:03	7417	1	128	1531	1523	ODA	1
S30241.H	08-FEB-93	19:51:34	7417	2	128	1531	1523	ODA	1
S30242.H	08-FEB-93	19:52:55	7417	3	128	1531	1523	ODA	1
S30243.H	08-FEB-93	19:54:28	7417	1	128	1532	1523	ODA	1
S30244.H	08-FEB-93	19:55:50	7417	2	128	1532	1523	ODA	1
S30245.H	08-FEB-93	19:57:26	7417	3	128	1532	1523	ODA	1
S30246.H	08-FEB-93	19:59:06	7417	1	128	1535	1523	ODA	1
S30247.H	08-FEB-93	20:00:43	7417	2	128	1535	1523	ODA	1
S30248.H	08-FEB-93	20:02:03	7417	3	128	1535	1523	ODA	1
S30249.H	08-FEB-93	20:03:53	7417	1	128	1538	1523	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30250.H	08-FEB-93	20:05:12	7417	2	128	1538	1523	ODA	1
S30251.H	08-FEB-93	20:06:31	7417	3	128	1538	1523	ODA	1
S30252.H	08-FEB-93	20:08:39	0	3	128	1532	1523	ODA	0
S30253.H	08-FEB-93	20:10:00	0	3	128	1535	1523	ODA	0
S30254.H	08-FEB-93	20:11:19	0	3	128	1538	1523	ODA	0
S30255.H	08-FEB-93	20:12:35	0	3	128	1538	1523	ODA	0
S30256.H	08-FEB-93	20:19:57	7417	1	128	1532	1523	ODA	1
S30257.H	08-FEB-93	20:21:24	7417	2	128	1532	1523	ODA	1
S30258.H	08-FEB-93	20:22:44	7417	3	128	1532	1523	ODA	1
S30259.H	08-FEB-93	20:24:25	7417	1	128	1535	1523	ODA	1
S30260.H	08-FEB-93	20:26:15	7417	2	128	1535	1523	ODA	1
S30261.H	08-FEB-93	20:27:35	7417	3	128	1535	1523	ODA	1
S30262.H	08-FEB-93	20:29:27	7417	1	128	1538	1523	ODA	1
S30263.H	08-FEB-93	20:31:04	7417	2	128	1538	1523	ODA	1
S30264.H	08-FEB-93	20:32:38	7417	3	128	1538	1523	ODA	1
S30265.H	08-FEB-93	20:38:37	7420	1	128	1525	1525	ODA	1
S30266.H	08-FEB-93	20:40:10	7420	2	128	1525	1525	ODA	1
S30267.H	08-FEB-93	20:41:44	7420	3	128	1525	1525	ODA	1
S30268.H	08-FEB-93	20:43:31	7420	1	128	1534	1525	ODA	1
S30269.H	08-FEB-93	20:45:20	7420	2	128	1534	1525	ODA	1
S30270.H	08-FEB-93	20:46:57	7420	3	128	1534	1525	ODA	1
S30271.H	08-FEB-93	20:49:53	7420	1	128	1537	1525	ODA	1
S30272.H	08-FEB-93	20:51:26	7420	2	128	1537	1525	ODA	1
S30273.H	08-FEB-93	20:53:00	7420	3	128	1537	1525	ODA	1
S30274.H	08-FEB-93	20:55:21	7420	1	128	1540	1525	ODA	1
S30275.H	08-FEB-93	20:56:55	7420	2	128	1540	1525	ODA	1
S30276.H	08-FEB-93	20:58:28	7420	3	128	1540	1525	ODA	1
S30277.H	08-FEB-93	21:01:08	7420	1	128	1516	1525	ODA	1
S30278.H	08-FEB-93	21:02:50	7420	2	128	1516	1525	ODA	1
S30279.H	08-FEB-93	21:04:21	7420	3	128	1516	1525	ODA	1
S30280.H	08-FEB-93	21:06:30	7420	1	128	1534	1525	ODA	1
S30281.H	08-FEB-93	21:08:46	7420	2	128	1534	1525	ODA	1
S30282.H	08-FEB-93	21:10:21	7420	3	128	1534	1525	ODA	1
S30283.H	08-FEB-93	21:12:00	7420	1	128	1534	1525	ODA	1
S30284.H	08-FEB-93	21:13:33	7420	2	128	1534	1525	ODA	1
S30286.H	09-FEB-93	14:56:30	7420	1	128	1515	1524	ODA	1
S30287.H	09-FEB-93	14:58:07	7420	2	128	1515	1524	ODA	1
S30288.H	09-FEB-93	14:59:43	7420	3	128	1515	1524	ODA	1
S30289.H	09-FEB-93	15:01:59	7420	1	128	1523	1524	ODA	1
S30290.H	09-FEB-93	15:03:36	7420	2	128	1523	1524	ODA	1
S30291.H	09-FEB-93	15:05:11	7420	3	128	1523	1524	ODA	1
S30292.H	09-FEB-93	15:06:06	7420	1	2	1523	1524	ODA	1
S30293.H	09-FEB-93	15:08:41	7420	1	128	1533	1524	ODA	1
S30294.H	09-FEB-93	15:10:17	7420	2	128	1533	1524	ODA	1
S30296.H	09-FEB-93	15:18:14	7420	1	128	1533	1524	ODA	1
S30297.H	09-FEB-93	15:19:52	7420	2	128	1533	1524	ODA	1
S30298.H	09-FEB-93	15:21:28	7420	3	128	1533	1524	ODA	1
S30299.H	09-FEB-93	15:23:09	7420	1	128	1533	1524	ODA	1
S30300.H	09-FEB-93	15:24:44	7420	2	128	1533	1524	ODA	1
S30301.H	09-FEB-93	15:26:21	7420	3	128	1533	1524	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30302.H	09-FEB-93	15:28:15	7420	1	128	1536	1524	ODA	1
S30303.H	09-FEB-93	15:29:51	7420	2	128	1536	1524	ODA	1
S30304.H	09-FEB-93	15:31:27	7420	3	128	1536	1524	ODA	1
S30305.H	09-FEB-93	15:33:10	7420	1	128	1536	1524	ODA	1
S30306.H	09-FEB-93	15:34:36	7420	2	128	1536	1524	ODA	1
S30307.H	09-FEB-93	15:36:02	7420	3	128	1536	1524	ODA	1
S30308.H	09-FEB-93	15:37:59	7420	1	128	1539	1524	ODA	1
S30309.H	09-FEB-93	15:39:25	7420	2	128	1539	1524	ODA	1
S30310.H	09-FEB-93	15:40:50	7420	3	128	1539	1524	ODA	1
S30311.H	09-FEB-93	15:47:51	7417	1	128	1513	1522	ODA	1
S30312.H	09-FEB-93	15:49:26	7417	2	128	1513	1522	ODA	1
S30313.H	09-FEB-93	15:51:06	7417	3	128	1513	1522	ODA	1
S30314.H	09-FEB-93	15:53:06	7417	1	128	1522	1522	ODA	1
S30315.H	09-FEB-93	15:54:33	7417	2	128	1522	1522	ODA	1
S30316.H	09-FEB-93	15:56:00	7417	3	128	1522	1522	ODA	1
S30317.H	09-FEB-93	15:56:55	7417	1	2	1522	1522	ODA	1
S30318.H	09-FEB-93	15:59:05	7417	1	128	1531	1522	ODA	1
S30319.H	09-FEB-93	16:00:50	7417	2	128	1531	1522	ODA	1
S30320.H	09-FEB-93	16:02:25	7417	3	128	1531	1522	ODA	1
S30321.H	09-FEB-93	16:05:14	7417	1	128	1531	1522	ODA	1
S30322.H	09-FEB-93	16:06:51	7417	2	128	1531	1522	ODA	1
S30323.H	09-FEB-93	16:08:18	7417	3	128	1531	1522	ODA	1
S30324.H	09-FEB-93	16:10:29	7417	1	128	1534	1522	ODA	1
S30325.H	09-FEB-93	16:11:54	7417	2	128	1534	1522	ODA	1
S30326.H	09-FEB-93	16:13:20	7417	3	128	1534	1522	ODA	1
S30327.H	09-FEB-93	16:14:58	7417	1	128	1534	1522	ODA	1
S30328.H	09-FEB-93	16:16:53	7417	2	128	1534	1522	ODA	1
S30329.H	09-FEB-93	16:18:18	7417	3	128	1534	1522	ODA	1
S30330.H	09-FEB-93	16:26:02	7417	1	128	1537	1522	ODA	1
S30331.H	09-FEB-93	16:27:30	7417	2	128	1537	1522	ODA	1
S30332.H	09-FEB-93	16:28:56	7417	3	128	1537	1522	ODA	1
S30333.H	09-FEB-93	16:31:08	0	3	128	1531	1522	ODA	0
S30334.H	09-FEB-93	16:32:29	0	3	128	1534	1522	ODA	0
S30335.H	09-FEB-93	16:34:22	0	3	128	1537	1522	ODA	0
S30336.H	09-FEB-93	16:35:51	0	3	128	1537	1522	ODA	0
S30337.H	09-FEB-93	20:48:05	7420	1	128	1515	1524	ODA	1
S30338.H	09-FEB-93	20:49:41	7420	2	128	1515	1524	ODA	1
S30339.H	09-FEB-93	20:51:20	7420	3	128	1515	1524	ODA	1
S30340.H	09-FEB-93	20:53:32	7420	1	128	1524	1524	ODA	1
S30341.H	09-FEB-93	20:54:19	7420	1	2	1524	1524	ODA	1
S30342.H	09-FEB-93	20:56:37	7420	1	128	1533	1524	ODA	1
S30343.H	09-FEB-93	20:58:17	7420	2	128	1533	1524	ODA	1
S30344.H	09-FEB-93	20:59:54	7420	3	128	1533	1524	ODA	1
S30345.H	09-FEB-93	21:01:44	7420	1	128	1533	1524	ODA	1
S30346.H	09-FEB-93	21:03:22	7420	2	128	1533	1524	ODA	1
S30347.H	09-FEB-93	21:04:51	7420	3	128	1533	1524	ODA	1
S30348.H	09-FEB-93	21:06:31	7420	1	128	1536	1524	ODA	1
S30349.H	09-FEB-93	21:08:01	7420	2	128	1536	1524	ODA	1
S30350.H	09-FEB-93	21:09:36	7420	3	128	1536	1524	ODA	1
S30351.H	09-FEB-93	21:14:01	7417	1	128	1513	1522	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\Delta P$	ENH	FP	CF	TAPE	C.T.
S30352.H	09-FEB-93	21:15:38	7417	2	128	1513	1522	ODA	1
S30353.H	09-FEB-93	21:17:16	7417	3	128	1513	1522	ODA	1
S30354.H	09-FEB-93	21:19:20	7417	1	128	1522	1522	ODA	1
S30355.H	09-FEB-93	21:20:14	7417	1	2	1522	1522	ODA	1
S30356.H	09-FEB-93	21:22:27	7417	1	128	1531	1522	ODA	1
S30357.H	09-FEB-93	21:24:04	7417	2	128	1531	1522	ODA	1
S30358.H	09-FEB-93	21:25:40	7417	3	128	1531	1522	ODA	1
S30359.H	09-FEB-93	21:27:30	7417	1	128	1534	1522	ODA	1
S30360.H	09-FEB-93	21:28:58	7417	2	128	1534	1522	ODA	1
S30361.H	09-FEB-93	21:30:37	7417	3	128	1534	1522	ODA	1
S30362.H	09-FEB-93	21:32:29	0	3	128	1531	1522	ODA	0
S30363.H	09-FEB-93	21:33:50	0	3	128	1534	1522	ODA	0
S30364.H	09-FEB-93	21:35:07	0	3	128	1534	1522	ODA	0
S30365.H	22-FEB-93	16:42:10	7433	1	128	1517	1526	ODA	1
S30366.H	22-FEB-93	16:43:50	7433	2	128	1517	1526	ODA	1
S30367.H	22-FEB-93	16:45:27	7433	3	128	1517	1526	ODA	1
S30368.H	22-FEB-93	16:47:27	7433	1	128	1526	1526	ODA	1
S30369.H	22-FEB-93	16:48:24	7433	1	2	1526	1526	ODA	1
S30370.H	22-FEB-93	16:51:25	7433	1	128	1535	1526	ODA	1
S30371.H	22-FEB-93	16:53:02	7433	2	128	1535	1526	ODA	1
S30372.H	22-FEB-93	16:54:40	7433	3	128	1535	1526	ODA	1
S30373.H	22-FEB-93	16:56:22	7433	1	128	1535	1526	ODA	1
S30374.H	22-FEB-93	16:57:51	7433	2	128	1535	1526	ODA	1
S30375.H	22-FEB-93	16:59:31	7433	3	128	1535	1526	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30377.H	09-MAR-93	19:04:55	7440	1	128	1533	1524	ODA	1
S30378.H	09-MAR-93	20:49:06	7440	1	128	1527	1518	ODA	1
S30379.H	09-MAR-93	20:51:09	7440	2	128	1527	1518	ODA	1
S30380.H	09-MAR-93	20:52:37	7440	3	128	1527	1518	ODA	1
S30381.H	09-MAR-93	20:55:09	7440	1	128	1509	1518	ODA	1
S30382.H	09-MAR-93	20:56:55	7440	2	128	1509	1518	ODA	1
S30383.H	09-MAR-93	20:58:27	7440	3	128	1509	1518	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30384.H	07-APR-93	14:07:05	7469	1	128	1533	1524	ODA	1
S30385.H	07-APR-93	14:08:43	7469	2	128	1533	1524	ODA	1
S30386.H	07-APR-93	14:10:23	7469	3	128	1533	1524	ODA	1
S30387.H	07-APR-93	14:12:04	7469	1	128	1533	1524	ODA	1
S30388.H	07-APR-93	14:13:40	7469	2	128	1533	1524	ODA	1
S30389.H	07-APR-93	14:15:14	7469	3	128	1533	1524	ODA	1
S30390.H	07-APR-93	14:18:16	7469	1	128	1515	1524	ODA	1
S30391.H	07-APR-93	14:19:50	7469	2	128	1515	1524	ODA	1
S30392.H	07-APR-93	14:21:24	7469	3	128	1515	1524	ODA	1
S30393.H	07-APR-93	14:25:06	7469	1	128	1524	1524	ODA	1
S30394.H	07-APR-93	14:26:20	7469	1	2	1524	1524	ODA	1
S30395.H	07-APR-93	14:28:42	7469	1	128	1533	1524	ODA	1
S30396.H	07-APR-93	14:31:42	7469	2	128	1533	1524	ODA	1
S30397.H	07-APR-93	14:33:12	7469	3	128	1533	1524	ODA	1
S30398.H	07-APR-93	14:34:56	7469	1	128	1533	1524	ODA	1
S30399.H	07-APR-93	14:36:34	7469	2	128	1533	1524	ODA	1
S30400.H	07-APR-93	14:38:04	7469	3	128	1533	1524	ODA	1
S30401.H	07-APR-93	14:40:01	7469	1	128	1536	1524	ODA	1
S30402.H	07-APR-93	14:41:31	7469	2	128	1536	1524	ODA	1
S30403.H	07-APR-93	14:44:07	7469	3	128	1536	1524	ODA	1
S30404.H	07-APR-93	14:47:55	7469	1	128	1536	1524	ODA	1
S30405.H	07-APR-93	14:49:24	7469	2	128	1536	1524	ODA	1
S30406.H	07-APR-93	14:51:56	7469	3	128	1536	1524	ODA	1
S30407.H	07-APR-93	14:53:53	0	3	128	1533	1524	ODA	0
S30408.H	07-APR-93	14:55:09	0	3	128	1536	1524	ODA	0
S30409.H	07-APR-93	14:56:32	0	3	128	1536	1524	ODA	0
S30410.H	07-APR-93	15:06:42	7465	1	128	1513	1522	ODA	1
S30411.H	07-APR-93	15:09:12	7465	2	128	1513	1522	ODA	1
S30412.H	07-APR-93	15:10:43	7465	3	128	1513	1522	ODA	1
S30413.H	07-APR-93	15:12:31	7465	1	128	1522	1522	ODA	1
S30414.H	07-APR-93	15:14:01	7465	1	2	1522	1522	ODA	1
S30415.H	07-APR-93	15:16:51	7465	1	128	1531	1522	ODA	1
S30416.H	07-APR-93	15:18:17	7465	2	128	1531	1522	ODA	1
S30417.H	07-APR-93	15:19:45	7465	3	128	1531	1522	ODA	1
S30418.H	07-APR-93	15:21:45	7465	1	128	1531	1522	ODA	1
S30419.H	07-APR-93	15:23:13	7465	2	128	1531	1522	ODA	1
S30420.H	07-APR-93	15:24:39	7465	3	128	1531	1522	ODA	1
S30421.H	07-APR-93	15:26:27	7465	1	128	1534	1522	ODA	1
S30422.H	07-APR-93	15:28:04	7465	2	128	1534	1522	ODA	1
S30423.H	07-APR-93	15:29:33	7465	3	128	1534	1522	ODA	1
S30424.H	07-APR-93	15:31:31	7465	1	128	1534	1522	ODA	1
S30425.H	07-APR-93	15:32:57	7465	2	128	1534	1522	ODA	1
S30426.H	07-APR-93	15:34:23	7465	3	128	1534	1522	ODA	1
S30427.H	07-APR-93	15:36:12	7465	1	128	1537	1522	ODA	1
S30428.H	07-APR-93	15:37:39	7465	2	128	1537	1522	ODA	1
S30429.H	07-APR-93	15:39:12	7465	3	128	1537	1522	ODA	1
S30430.H	07-APR-93	15:40:58	0	3	128	1531	1522	ODA	0
S30431.H	07-APR-93	15:42:30	0	3	128	1534	1522	ODA	0
S30432.H	07-APR-93	15:43:52	0	3	128	1537	1522	ODA	0
S30433.H	07-APR-93	17:51:03	7469	1	128	1533	1524	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30434.H	07-APR-93	17:52:33	7469	2	128	1533	1524	ODA	1
S30435.H	07-APR-93	17:54:03	7469	3	128	1533	1524	ODA	1
S30436.H	07-APR-93	17:56:38	7469	1	128	1515	1524	ODA	1
S30437.H	07-APR-93	17:58:08	7469	2	128	1515	1524	ODA	1
S30438.H	07-APR-93	17:59:35	7469	3	128	1515	1524	ODA	1
S30439.H	07-APR-93	18:02:03	7469	1	128	1524	1524	ODA	1
S30440.H	07-APR-93	18:07:09	7469	1	2	1524	1524	ODA	1
S30441.H	12-APR-93	14:38:33	7469	1	128	1513	1522	ODA	1
S30442.H	12-APR-93	14:40:13	7469	2	128	1513	1522	ODA	1
S30443.H	12-APR-93	14:41:50	7469	3	128	1513	1522	ODA	1
S30444.H	12-APR-93	14:44:03	7469	1	128	1522	1522	ODA	1
S30445.H	12-APR-93	14:45:41	7469	2	128	1522	1522	ODA	1
S30446.H	12-APR-93	14:47:23	7469	3	128	1522	1522	ODA	1
S30447.H	12-APR-93	14:49:54	7469	1	128	1531	1522	ODA	1
S30448.H	12-APR-93	14:51:30	7469	2	128	1531	1522	ODA	1
S30449.H	12-APR-93	14:53:11	7469	3	128	1531	1522	ODA	1
S30450.H	12-APR-93	14:55:02	7469	1	128	1531	1522	ODA	1
S30451.H	12-APR-93	14:56:47	7469	2	128	1531	1522	ODA	1
S30452.H	12-APR-93	14:58:24	7469	3	128	1531	1522	ODA	1
S30453.H	12-APR-93	15:01:35	7469	1	128	1534	1522	ODA	1
S30454.H	12-APR-93	15:03:13	7469	2	128	1534	1522	ODA	1
S30455.H	12-APR-93	15:04:47	7469	3	128	1534	1522	ODA	1
S30456.H	12-APR-93	15:06:29	7469	1	128	1534	1522	ODA	1
S30457.H	12-APR-93	15:08:05	7469	2	128	1534	1522	ODA	1
S30458.H	12-APR-93	15:09:41	7469	3	128	1534	1522	ODA	1
S30459.H	12-APR-93	15:13:46	7469	1	2	1534	1522	ODA	1
S30460.H	12-APR-93	15:48:21	7473	1	128	1514	1524	ODA	1
S30461.H	12-APR-93	15:49:54	7473	2	128	1514	1524	ODA	1
S30462.H	12-APR-93	15:51:26	7473	3	128	1514	1524	ODA	1
S30463.H	12-APR-93	15:53:31	7473	1	128	1524	1524	ODA	1
S30464.H	12-APR-93	15:55:05	7473	2	128	1524	1524	ODA	1
S30465.H	12-APR-93	15:56:43	7473	3	128	1524	1524	ODA	1
S30466.H	12-APR-93	15:58:47	7473	1	128	1533	1524	ODA	1
S30467.H	12-APR-93	16:00:25	7473	2	128	1533	1524	ODA	1
S30468.H	12-APR-93	16:01:58	7473	3	128	1533	1524	ODA	1
S30469.H	12-APR-93	16:03:46	7473	1	128	1533	1524	ODA	1
S30470.H	12-APR-93	16:05:18	7473	2	128	1533	1524	ODA	1
S30471.H	12-APR-93	16:06:51	7473	3	128	1533	1524	ODA	1
S30472.H	12-APR-93	16:08:15	7473	1	1	1533	1524	ODA	1
S30473.H	12-APR-93	16:15:10	0	3	128	1531	1524	ODA	0
S30474.H	12-APR-93	16:16:55	0	3	128	1533	1524	ODA	0
S30475.H	12-APR-93	16:18:33	0	3	128	1533	1524	ODA	0
S30476.H	19-APR-93	13:48:07	7477	1	128	1517	1527	ODA	1
S30477.H	19-APR-93	13:49:47	7477	2	128	1517	1527	ODA	1
S30478.H	19-APR-93	13:51:23	7477	3	128	1517	1527	ODA	1
S30479.H	19-APR-93	13:54:56	7477	1	128	1536	1527	ODA	1
S30480.H	19-APR-93	13:56:35	7477	2	128	1536	1527	ODA	1
S30481.H	19-APR-93	13:58:15	7477	3	128	1536	1527	ODA	1
S30482.H	19-APR-93	14:00:28	7477	1	1	1536	1527	ODA	1
S30483.H	19-APR-93	14:05:05	7477	1	128	1536	1527	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30484.H	19-APR-93	14:06:40	7477	2	128	1536	1527	ODA	1
S30485.H	19-APR-93	14:08:14	7477	3	128	1536	1527	ODA	1
S30486.H	19-APR-93	14:12:20	7477	1	128	1539	1527	ODA	1
S30487.H	19-APR-93	14:13:55	7477	2	128	1539	1527	ODA	1
S30488.H	19-APR-93	14:15:31	7477	3	128	1539	1527	ODA	1
S30489.H	19-APR-93	14:19:30	0	3	128	1538	1527	ODA	0
S30490.H	19-APR-93	14:24:24	0	3	128	1536	1527	ODA	0
S30491.H	19-APR-93	15:41:24	7477	1	128	1536	1527	ODA	1
S30492.H	22-APR-93	13:42:25	7477	1	128	1516	1525	ODA	1
S30493.H	22-APR-93	13:43:51	7477	2	128	1516	1525	ODA	1
S30494.H	22-APR-93	13:45:17	7477	3	128	1516	1525	ODA	1
S30495.H	22-APR-93	13:47:47	7477	1	128	1525	1525	ODA	1
S30496.H	22-APR-93	13:48:53	7477	1	2	1525	1525	ODA	1
S30497.H	22-APR-93	13:51:34	7477	1	128	1534	1525	ODA	1
S30498.H	22-APR-93	13:54:04	7477	2	128	1534	1525	ODA	1
S30499.H	22-APR-93	13:55:33	7477	3	128	1534	1525	ODA	1
S30500.H	22-APR-93	13:57:51	7477	1	128	1534	1525	ODA	1
S30501.H	22-APR-93	13:59:17	7477	2	128	1534	1525	ODA	1
S30502.H	22-APR-93	14:00:48	7477	3	128	1534	1525	ODA	1
S30503.H	22-APR-93	14:02:30	7477	1	128	1537	1525	ODA	1
S30504.H	22-APR-93	14:04:27	7477	2	128	1537	1525	ODA	1
S30505.H	22-APR-93	14:06:00	7477	3	128	1537	1525	ODA	1
S30506.H	22-APR-93	14:07:32	7477	1	128	1537	1525	ODA	1
S30507.H	22-APR-93	14:08:59	7477	2	128	1537	1525	ODA	1
S30508.H	22-APR-93	14:10:35	7477	3	128	1537	1525	ODA	1
S30509.H	22-APR-93	14:12:25	7477	1	128	1534	1525	ODA	1
S30510.H	22-APR-93	14:13:42	7477	2	128	1534	1525	ODA	1
S30511.H	22-APR-93	14:15:02	7477	3	128	1534	1525	ODA	1
S30512.H	22-APR-93	14:16:31	7477	1	128	1534	1525	ODA	1
S30513.H	22-APR-93	14:17:48	7477	2	128	1534	1525	ODA	1
S30514.H	22-APR-93	14:19:32	7477	3	128	1534	1525	ODA	1
S30515.H	22-APR-93	14:21:20	7477	1	128	1534	1525	ODA	1
S30516.H	22-APR-93	14:22:42	7477	2	128	1534	1525	ODA	1
S30517.H	22-APR-93	14:23:59	7477	3	128	1534	1525	ODA	1
S30518.H	22-APR-93	14:26:12	7477	1	128	1534	1525	ODA	1
S30519.H	22-APR-93	14:27:28	7477	2	128	1534	1525	ODA	1
S30520.H	22-APR-93	14:28:44	7477	3	128	1534	1525	ODA	1
S30521.H	22-APR-93	14:30:34	7477	1	128	1537	1525	ODA	1
S30522.H	22-APR-93	14:31:54	7477	2	128	1537	1525	ODA	1
S30523.H	22-APR-93	14:33:21	7477	3	128	1537	1525	ODA	1
S30524.H	22-APR-93	14:34:57	7477	1	128	1537	1525	ODA	1
S30525.H	22-APR-93	14:36:29	7477	2	128	1537	1525	ODA	1
S30526.H	22-APR-93	14:37:46	7477	3	128	1537	1525	ODA	1
S30527.H	22-APR-93	14:39:29	7477	1	128	1540	1525	ODA	1
S30528.H	22-APR-93	14:41:02	7477	2	128	1540	1525	ODA	1
S30529.H	22-APR-93	14:42:26	7477	3	128	1540	1525	ODA	1
S30530.H	22-APR-93	14:44:05	7477	1	128	1540	1525	ODA	1
S30531.H	22-APR-93	14:45:31	7477	2	128	1540	1525	ODA	1
S30532.H	22-APR-93	14:46:49	7477	3	128	1540	1525	ODA	1
S30533.H	22-APR-93	14:48:56	0	3	128	1534	1525	ODA	0



# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30534.H	22-APR-93	14:50:11	0	3	128	1537	1525	ODA	0
S30535.H	22-APR-93	14:51:31	0	3	128	1540	1525	ODA	0
S30536.H	22-APR-93	14:53:14	0	3	128	1540	1525	ODA	0
S30537.H	22-APR-93	15:08:20	7480	1	128	1517	1526	ODA	1
S30538.H	22-APR-93	15:09:47	7480	2	128	1517	1526	ODA	1
S30539.H	22-APR-93	15:11:11	7480	3	128	1517	1526	ODA	1
S30540.H	22-APR-93	15:13:22	7480	1	128	1526	1526	ODA	1
S30541.H	22-APR-93	15:14:43	7480	1	2	1526	1526	ODA	1
S30542.H	22-APR-93	15:18:23	7480	1	128	1535	1526	ODA	1
S30543.H	22-APR-93	15:19:50	7480	2	128	1535	1526	ODA	1
S30544.H	22-APR-93	15:21:22	7480	3	128	1535	1526	ODA	1
S30545.H	22-APR-93	15:23:46	7480	1	128	1535	1526	ODA	1
S30546.H	22-APR-93	15:25:02	7480	2	128	1535	1526	ODA	1
S30547.H	22-APR-93	15:26:27	7480	3	128	1535	1526	ODA	1
S30548.H	22-APR-93	15:28:13	7480	1	128	1538	1526	ODA	1
S30549.H	22-APR-93	15:29:40	7480	2	128	1538	1526	ODA	1
S30550.H	22-APR-93	15:31:06	7480	3	128	1538	1526	ODA	1
S30551.H	22-APR-93	15:33:01	7480	1	128	1538	1526	ODA	1
S30552.H	22-APR-93	15:34:41	7480	2	128	1538	1526	ODA	1
S30553.H	22-APR-93	15:36:06	7480	3	128	1538	1526	ODA	1
S30554.H	22-APR-93	15:37:45	7480	1	128	1541	1526	ODA	1
S30555.H	22-APR-93	15:39:10	7480	2	128	1541	1526	ODA	1
S30556.H	22-APR-93	15:40:31	7480	3	128	1541	1526	ODA	1
S30557.H	22-APR-93	15:41:58	7480	1	128	1541	1526	ODA	1
S30558.H	22-APR-93	15:43:25	7480	2	128	1541	1526	ODA	1
S30559.H	22-APR-93	15:44:50	7480	3	128	1541	1526	ODA	1
S30560.H	22-APR-93	17:54:06	7477	1	128	1516	1525	ODA	1
S30561.H	22-APR-93	17:55:32	7477	2	128	1516	1525	ODA	1
S30562.H	22-APR-93	17:58:32	7477	3	128	1516	1525	ODA	1
S30563.H	22-APR-93	18:01:25	7477	1	128	1533	1525	ODA	1
S30564.H	22-APR-93	18:02:51	7477	2	128	1533	1525	ODA	1
S30565.H	22-APR-93	18:04:16	7477	3	128	1533	1525	ODA	1
S30566.H	22-APR-93	18:05:43	7477	1	128	1533	1525	ODA	1
S30567.H	22-APR-93	18:07:09	7477	2	128	1533	1525	ODA	1
S30568.H	22-APR-93	18:08:39	7477	3	128	1533	1525	ODA	1
S30569.H	22-APR-93	18:12:44	7477	1	128	1537	1525	ODA	1
S30570.H	22-APR-93	18:14:11	7477	2	128	1537	1525	ODA	1
S30571.H	22-APR-93	18:15:40	7477	3	128	1537	1525	ODA	1
S30572.H	22-APR-93	18:17:08	7477	1	128	1537	1525	ODA	1
S30573.H	22-APR-93	18:19:01	7477	2	128	1537	1525	ODA	1
S30574.H	22-APR-93	18:20:32	7477	3	128	1537	1525	ODA	1
S30575.H	22-APR-93	18:22:46	7477	1	128	1540	1525	ODA	1
S30576.H	22-APR-93	18:24:13	7477	2	128	1540	1525	ODA	1
S30577.H	22-APR-93	18:25:41	7477	3	128	1540	1525	ODA	1
S30578.H	22-APR-93	18:27:27	7477	1	128	1540	1525	ODA	1
S30579.H	22-APR-93	18:28:54	7477	2	128	1540	1525	ODA	1
S30580.H	22-APR-93	18:30:23	7477	3	128	1540	1525	ODA	1
S30581.H	22-APR-93	18:35:58	7480	1	128	1517	1526	ODA	1
S30582.H	22-APR-93	18:37:29	7480	2	128	1517	1526	ODA	1
S30583.H	22-APR-93	18:39:01	7480	3	128	1517	1526	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30584.H	22-APR-93	18:41:20	7480	1	128	1535	1526	ODA	1
S30585.H	22-APR-93	18:42:45	7480	2	128	1535	1526	ODA	1
S30586.H	22-APR-93	18:44:15	7480	3	128	1535	1526	ODA	1
S30587.H	22-APR-93	18:45:45	7480	1	128	1535	1526	ODA	1
S30588.H	22-APR-93	18:47:03	7480	2	128	1535	1526	ODA	1
S30589.H	22-APR-93	18:48:19	7480	3	128	1535	1526	ODA	1
S30590.H	22-APR-93	18:50:02	7480	1	128	1537	1526	ODA	1
S30591.H	22-APR-93	18:51:19	7480	2	128	1537	1526	ODA	1
S30592.H	22-APR-93	18:52:38	7480	3	128	1537	1526	ODA	1
S30593.H	23-APR-93	13:50:54	7477	1	128	1516	1525	ODA	1
S30594.H	23-APR-93	13:52:26	7477	2	128	1516	1525	ODA	1
S30595.H	23-APR-93	13:53:55	7477	3	128	1516	1525	ODA	1
S30596.H	23-APR-93	13:55:57	7477	1	128	1533	1525	ODA	1
S30597.H	23-APR-93	13:57:24	7477	2	128	1533	1525	ODA	1
S30598.H	23-APR-93	13:58:54	7477	3	128	1533	1525	ODA	1
S30599.H	23-APR-93	14:00:58	7477	1	128	1525	1525	ODA	1
S30600.H	23-APR-93	14:02:17	7477	1	2	1525	1525	ODA	1
S30601.H	23-APR-93	14:04:26	7477	1	128	1534	1525	ODA	1
S30602.H	23-APR-93	14:06:17	7477	2	128	1534	1525	ODA	1
S30603.H	23-APR-93	14:07:54	7477	3	128	1534	1525	ODA	1
S30604.H	23-APR-93	14:09:49	7477	1	128	1537	1525	ODA	1
S30605.H	23-APR-93	14:11:17	7477	2	128	1537	1525	ODA	1
S30606.H	23-APR-93	14:12:47	7477	3	128	1537	1525	ODA	1
S30607.H	23-APR-93	14:14:23	7477	1	128	1537	1525	ODA	1
S30608.H	23-APR-93	14:15:51	7477	2	128	1537	1525	ODA	1
S30609.H	23-APR-93	14:17:22	7477	3	128	1537	1525	ODA	1
S30610.H	23-APR-93	14:19:11	7477	1	128	1539	1525	ODA	1
S30611.H	23-APR-93	14:20:37	7477	2	128	1539	1525	ODA	1
S30612.H	23-APR-93	14:22:04	7477	3	128	1539	1525	ODA	1
S30613.H	23-APR-93	14:23:36	7477	1	128	1539	1525	ODA	1
S30614.H	23-APR-93	14:25:15	7477	2	128	1539	1525	ODA	1
S30615.H	23-APR-93	14:26:45	7477	3	128	1539	1525	ODA	1
S30616.H	23-APR-93	14:33:38	7480	1	128	1517	1526	ODA	1
S30617.H	23-APR-93	14:35:06	7480	2	128	1517	1526	ODA	1
S30618.H	23-APR-93	14:36:35	7480	3	128	1517	1526	ODA	1
S30619.H	23-APR-93	14:38:46	7480	1	128	1535	1526	ODA	1
S30620.H	23-APR-93	14:41:43	7480	2	128	1535	1526	ODA	1
S30621.H	23-APR-93	14:43:25	7480	3	128	1535	1526	ODA	1
S30622.H	23-APR-93	14:47:08	7480	1	128	1525	1526	ODA	1
S30623.H	23-APR-93	14:48:44	7480	1	2	1525	1526	ODA	1
S30624.H	23-APR-93	14:50:55	7480	1	128	1535	1526	ODA	1
S30625.H	23-APR-93	14:52:21	7480	2	128	1535	1526	ODA	1
S30626.H	23-APR-93	14:53:49	7480	3	128	1535	1526	ODA	1
S30627.H	23-APR-93	14:55:38	7480	1	128	1538	1526	ODA	1
S30628.H	23-APR-93	14:57:15	7480	2	128	1538	1526	ODA	1
S30629.H	23-APR-93	14:58:40	7480	3	128	1538	1526	ODA	1
S30630.H	23-APR-93	15:08:53	7480	1	128	1538	1526	ODA	1
S30631.H	23-APR-93	15:10:24	7480	2	128	1538	1526	ODA	1
S30632.H	23-APR-93	15:11:49	7480	3	128	1538	1526	ODA	1
S30633.H	23-APR-93	15:13:49	7480	1	128	1541	1526	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30634.H	23-APR-93	15:15:14	7480	2	128	1541	1526	ODA	1
S30635.H	23-APR-93	15:16:40	7480	3	128	1541	1526	ODA	1
S30636.H	23-APR-93	15:18:07	7480	1	128	1541	1526	ODA	1
S30637.H	23-APR-93	15:19:35	7480	2	128	1541	1526	ODA	1
S30638.H	23-APR-93	15:21:12	7480	3	128	1541	1526	ODA	1
S30639.H	23-APR-93	15:23:29	0	3	128	1535	1526	ODA	0
S30640.H	23-APR-93	15:24:51	0	3	128	1538	1526	ODA	0
S30641.H	23-APR-93	15:26:11	0	3	128	1541	1526	ODA	0
S30642.H	23-APR-93	15:27:44	0	3	128	1541	1526	ODA	0
S30643.H	23-APR-93	17:22:48	7477	1	128	1534	1525	ODA	1
S30644.H	23-APR-93	17:24:15	7477	2	128	1534	1525	ODA	1
S30645.H	23-APR-93	17:25:45	7477	3	128	1534	1525	ODA	1
S30646.H	23-APR-93	17:28:05	7477	1	128	1516	1525	ODA	1
S30647.H	23-APR-93	17:29:38	7477	2	128	1516	1525	ODA	1
S30648.H	23-APR-93	17:31:03	7477	3	128	1516	1525	ODA	1
S30649.H	23-APR-93	17:33:23	7477	1	128	1534	1525	ODA	1
S30650.H	23-APR-93	17:34:55	7477	2	128	1534	1525	ODA	1
S30651.H	23-APR-93	17:36:26	7477	3	128	1534	1525	ODA	1
S30652.H	27-APR-93	13:45:07	7490	1	128	1511	1528	ODA	1
S30653.H	27-APR-93	13:46:38	7490	2	128	1511	1528	ODA	1
S30654.H	27-APR-93	13:48:14	7490	3	128	1511	1528	ODA	1
S30655.H	27-APR-93	13:50:30	7490	1	128	1528	1528	ODA	1
S30656.H	27-APR-93	13:51:40	7490	1	2	1528	1528	ODA	1
S30657.H	27-APR-93	13:53:53	7490	1	128	1537	1528	ODA	1
S30658.H	27-APR-93	13:55:24	7490	2	128	1537	1528	ODA	1
S30659.H	27-APR-93	13:57:05	7490	3	128	1537	1528	ODA	1
S30660.H	27-APR-93	14:01:45	7490	1	128	1537	1528	ODA	1
S30661.H	27-APR-93	14:03:17	7490	2	128	1537	1528	ODA	1
S30662.H	27-APR-93	14:04:47	7490	3	128	1537	1528	ODA	1
S30663.H	27-APR-93	14:06:53	7490	1	128	1540	1528	ODA	1
S30664.H	27-APR-93	14:08:24	7490	2	128	1540	1528	ODA	1
S30665.H	27-APR-93	14:09:55	7490	3	128	1540	1528	ODA	1
S30666.H	27-APR-93	14:13:27	7490	1	128	1540	1528	ODA	1
S30667.H	27-APR-93	14:14:56	7490	2	128	1540	1528	ODA	1
S30668.H	27-APR-93	14:16:27	7490	3	128	1540	1528	ODA	1
S30669.H	27-APR-93	14:18:21	7490	1	128	1543	1528	ODA	1
S30670.H	27-APR-93	14:19:48	7490	2	128	1543	1528	ODA	1
S30671.H	27-APR-93	14:21:16	7490	3	128	1543	1528	ODA	1
S30672.H	27-APR-93	14:23:02	7490	1	128	1543	1528	ODA	1
S30673.H	27-APR-93	14:24:32	7490	2	128	1543	1528	ODA	1
S30674.H	27-APR-93	14:26:01	7490	3	128	1543	1528	ODA	1
S30675.H	27-APR-93	14:29:08	0	3	128	1537	1528	ODA	0
S30676.H	27-APR-93	14:30:30	0	3	128	1540	1528	ODA	0
S30677.H	27-APR-93	14:32:07	0	3	128	1543	1528	ODA	0
S30678.H	27-APR-93	14:44:28	7491	1	128	1517	1526	ODA	1
S30679.H	27-APR-93	14:45:56	7491	2	128	1517	1526	ODA	1
S30680.H	27-APR-93	14:47:23	7491	3	128	1517	1526	ODA	1
S30681.H	27-APR-93	14:49:24	7491	1	128	1526	1526	ODA	1
S30682.H	27-APR-93	14:50:16	7491	1	2	1526	1526	ODA	1
S30683.H	27-APR-93	14:52:33	7491	1	128	1535	1526	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30684.H	27-APR-93	14:54:03	7491	2	128	1535	1526	ODA	1
S30685.H	27-APR-93	14:55:30	7491	3	128	1535	1526	ODA	1
S30686.H	27-APR-93	14:57:06	7491	1	128	1535	1526	ODA	1
S30687.H	27-APR-93	14:58:38	7491	2	128	1535	1526	ODA	1
S30688.H	27-APR-93	15:00:07	7491	3	128	1535	1526	ODA	1
S30689.H	27-APR-93	15:01:50	7491	1	128	1538	1526	ODA	1
S30690.H	27-APR-93	15:03:17	7491	2	128	1538	1526	ODA	1
S30691.H	27-APR-93	15:04:46	7491	3	128	1538	1526	ODA	1
S30692.H	27-APR-93	15:06:33	7491	1	128	1538	1526	ODA	1
S30693.H	27-APR-93	15:08:03	7491	2	128	1538	1526	ODA	1
S30694.H	27-APR-93	15:09:27	7491	3	128	1538	1526	ODA	1
S30695.H	27-APR-93	18:10:29	7490	1	128	1519	1528	ODA	1
S30696.H	27-APR-93	18:12:11	7490	2	128	1519	1528	ODA	1
S30697.H	27-APR-93	18:13:35	7490	3	128	1519	1528	ODA	1
S30698.H	27-APR-93	18:15:42	7490	1	128	1537	1528	ODA	1
S30699.H	27-APR-93	18:17:06	7490	2	128	1537	1528	ODA	1
S30700.H	27-APR-93	18:18:30	7490	3	128	1537	1528	ODA	1
S30701.H	27-APR-93	18:20:02	7490	1	128	1537	1528	ODA	1
S30702.H	27-APR-93	18:21:29	7490	2	128	1537	1528	ODA	1
S30703.H	27-APR-93	18:22:53	7490	3	128	1537	1528	ODA	1
S30704.H	27-APR-93	18:24:41	7490	1	128	1540	1528	ODA	1
S30705.H	27-APR-93	18:26:06	7490	2	128	1540	1528	ODA	1
S30706.H	27-APR-93	18:27:33	7490	3	128	1540	1528	ODA	1
S30707.H	27-APR-93	18:29:06	7490	1	128	1540	1528	ODA	1
S30708.H	27-APR-93	18:30:34	7490	2	128	1540	1528	ODA	1
S30709.H	27-APR-93	18:32:00	7490	3	128	1540	1528	ODA	1
S30710.H	27-APR-93	18:33:43	7490	1	128	1543	1528	ODA	1
S30711.H	27-APR-93	18:35:08	7490	2	128	1543	1528	ODA	1
S30712.H	27-APR-93	18:36:31	7490	3	128	1543	1528	ODA	1
S30713.H	27-APR-93	18:38:00	7490	1	128	1543	1528	ODA	1
S30714.H	27-APR-93	18:39:25	7490	2	128	1543	1528	ODA	1
S30715.H	27-APR-93	18:40:49	7490	3	128	1543	1528	ODA	1
S30716.H	28-APR-93	14:34:19	7490	1	128	1518	1527	ODA	1
S30717.H	28-APR-93	14:35:58	7490	2	128	1518	1527	ODA	1
S30718.H	28-APR-93	14:37:24	7490	3	128	1518	1527	ODA	1
S30719.H	28-APR-93	14:39:23	7490	1	128	1527	1527	ODA	1
S30720.H	28-APR-93	14:40:20	7490	1	2	1527	1527	ODA	1
S30721.H	28-APR-93	14:43:36	7490	1	128	1535	1527	ODA	1
S30722.H	28-APR-93	14:45:08	7490	2	128	1536	1527	ODA	1
S30723.H	28-APR-93	14:46:38	7490	3	128	1535	1527	ODA	1
S30724.H	28-APR-93	14:48:16	7490	1	128	1535	1527	ODA	1
S30725.H	28-APR-93	14:49:44	7490	2	128	1535	1527	ODA	1
S30726.H	28-APR-93	14:51:11	7490	3	128	1535	1527	ODA	1
S30727.H	28-APR-93	14:52:53	7490	1	128	1539	1527	ODA	1
S30728.H	28-APR-93	14:54:27	7490	2	128	1539	1527	ODA	1
S30729.H	28-APR-93	14:55:52	7490	3	128	1539	1527	ODA	1
S30730.H	28-APR-93	14:57:31	7490	1	128	1539	1527	ODA	1
S30731.H	28-APR-93	14:58:57	7490	2	128	1539	1527	ODA	1
S30732.H	28-APR-93	15:00:21	7490	3	128	1539	1527	ODA	1
S30733.H	28-APR-93	15:02:15	7490	1	128	1542	1527	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30734.H	28-APR-93	15:03:43	7490	2	128	1542	1527	ODA	1
S30735.H	28-APR-93	15:05:06	7490	3	128	1542	1527	ODA	1
S30736.H	28-APR-93	15:06:34	7490	1	128	1542	1527	ODA	1
S30737.H	28-APR-93	15:08:01	7490	2	128	1542	1527	ODA	1
S30738.H	28-APR-93	15:09:26	7490	3	128	1542	1527	ODA	1
S30739.H	28-APR-93	15:11:30	0	3	128	1536	1527	ODA	0
S30740.H	28-APR-93	15:13:12	0	3	128	1538	1527	ODA	0
S30741.H	28-APR-93	15:14:35	0	3	128	1542	1527	ODA	0
S30742.H	28-APR-93	15:16:08	0	3	128	1542	1527	ODA	0
S30743.H	28-APR-93	15:26:45	7492	1	128	1516	1525	ODA	1
S30744.H	28-APR-93	15:28:09	7492	2	128	1516	1525	ODA	1
S30745.H	28-APR-93	15:29:35	7492	3	128	1516	1525	ODA	1
S30746.H	28-APR-93	15:31:31	7492	1	128	1525	1525	ODA	1
S30747.H	28-APR-93	15:32:25	7492	1	2	1525	1525	ODA	1
S30748.H	28-APR-93	15:34:35	7492	1	128	1533	1525	ODA	1
S30749.H	28-APR-93	15:35:57	7492	2	128	1533	1525	ODA	1
S30750.H	28-APR-93	15:37:24	7492	3	128	1533	1525	ODA	1
S30751.H	28-APR-93	15:39:05	7492	1	128	1533	1525	ODA	1
S30752.H	28-APR-93	15:40:34	7492	2	128	1533	1525	ODA	1
S30753.H	28-APR-93	15:42:03	7492	3	128	1533	1525	ODA	1
S30754.H	28-APR-93	15:43:45	7492	1	128	1536	1525	ODA	1
S30755.H	28-APR-93	15:45:10	7492	2	128	1536	1525	ODA	1
S30756.H	28-APR-93	15:46:36	7492	3	128	1536	1525	ODA	1
S30757.H	28-APR-93	15:48:04	7492	1	128	1536	1525	ODA	1
S30758.H	28-APR-93	15:49:28	7492	2	128	1536	1525	ODA	1
S30759.H	28-APR-93	15:50:59	7492	3	128	1536	1525	ODA	1
S30760.H	29-APR-93	14:14:33	7490	1	128	1509	1519	ODA	1
S30761.H	29-APR-93	14:16:00	7490	2	128	1509	1519	ODA	1
S30762.H	29-APR-93	14:17:33	7490	3	128	1509	1519	ODA	1
S30763.H	29-APR-93	14:20:57	7490	1	128	1519	1519	ODA	1
S30764.H	29-APR-93	14:23:20	7490	1	128	1520	1519	ODA	1
S30765.H	29-APR-93	14:24:53	7490	2	128	1520	1519	ODA	1
S30766.H	29-APR-93	14:26:20	7490	3	128	1520	1519	ODA	1
S30767.H	29-APR-93	14:36:33	7490	1	128	1526	1535	ODA	1
S30768.H	29-APR-93	14:38:06	7490	2	128	1526	1535	ODA	1
S30769.H	29-APR-93	14:39:34	7490	3	128	1526	1535	ODA	1
S30770.H	29-APR-93	14:41:53	7490	1	128	1535	1535	ODA	1
S30771.H	29-APR-93	14:43:05	7490	1	2	1535	1535	ODA	1
S30772.H	29-APR-93	14:46:26	7490	1	128	1544	1535	ODA	1
S30773.H	29-APR-93	14:47:51	7490	2	128	1544	1535	ODA	1
S30774.H	29-APR-93	14:49:16	7490	3	128	1544	1535	ODA	1
S30775.H	29-APR-93	14:51:05	7490	1	128	1544	1535	ODA	1
S30776.H	29-APR-93	14:52:42	7490	2	128	1544	1535	ODA	1
S30777.H	29-APR-93	14:54:13	7490	3	128	1544	1535	ODA	1
S30778.H	29-APR-93	14:55:59	7490	1	128	1547	1535	ODA	1
S30779.H	29-APR-93	14:57:37	7490	2	128	1547	1535	ODA	1
S30780.H	29-APR-93	14:59:02	7490	3	128	1547	1535	ODA	1
S30781.H	29-APR-93	15:01:29	7490	1	128	1547	1535	ODA	1
S30782.H	29-APR-93	15:03:05	7490	2	128	1547	1535	ODA	1
S30783.H	29-APR-93	15:04:36	7490	3	128	1547	1535	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30784.H	29-APR-93	15:06:22	7490	1	128	1550	1535	ODA	1
S30785.H	29-APR-93	15:07:48	7490	2	128	1550	1535	ODA	1
S30786.H	29-APR-93	15:09:14	7490	3	128	1550	1535	ODA	1
S30787.H	29-APR-93	15:10:41	7490	1	128	1550	1535	ODA	1
S30788.H	29-APR-93	15:12:13	7490	2	128	1550	1535	ODA	1
S30789.H	29-APR-93	15:13:38	7490	3	128	1550	1535	ODA	1
S30790.H	29-APR-93	15:19:38	0	3	128	1544	1535	ODA	0
S30791.H	29-APR-93	15:20:58	0	3	128	1547	1535	ODA	0
S30792.H	29-APR-93	15:22:18	0	3	128	1550	1535	ODA	0
S30793.H	29-APR-93	15:23:34	0	3	128	1550	1535	ODA	0

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S30794.H	05-MAY-93	14:20:25	7496	1	128	1529	1538	ODA	1
S30795.H	05-MAY-93	14:22:08	7496	2	128	1529	1538	ODA	1
S30796.H	05-MAY-93	14:23:37	7496	3	128	1529	1538	ODA	1
S30797.H	05-MAY-93	14:25:34	7496	1	128	1538	1538	ODA	1
S30798.H	05-MAY-93	14:26:19	7496	1	2	1538	1538	ODA	1
S30799.H	05-MAY-93	14:28:37	7496	1	128	1547	1538	ODA	1
S30800.H	05-MAY-93	14:30:07	7496	2	128	1547	1538	ODA	1
S30801.H	05-MAY-93	14:31:38	7496	3	128	1547	1538	ODA	1
S30802.H	05-MAY-93	14:42:16	7496	1	128	1547	1538	ODA	1
S30803.H	05-MAY-93	14:43:44	7496	2	128	1547	1538	ODA	1
S30804.H	05-MAY-93	14:45:14	7496	3	128	1547	1538	ODA	1
S30805.H	05-MAY-93	14:47:04	7496	1	128	1550	1538	ODA	1
S30806.H	05-MAY-93	14:48:33	7496	2	128	1550	1538	ODA	1
S30807.H	05-MAY-93	14:50:02	7496	3	128	1550	1538	ODA	1
S30808.H	05-MAY-93	14:51:36	7496	1	128	1550	1538	ODA	1
S30809.H	05-MAY-93	14:53:17	7496	2	128	1550	1538	ODA	1
S30810.H	05-MAY-93	14:54:41	7496	3	128	1550	1538	ODA	1
S30811.H	05-MAY-93	14:56:54	0	3	128	1547	1538	ODA	0
S30812.H	05-MAY-93	14:58:27	0	3	128	1550	1538	ODA	0
S30813.H	05-MAY-93	14:59:48	0	3	128	1550	1538	ODA	0
S30814.H	06-MAY-93	14:44:03	7496	1	128	1529	1538	ODA	1
S30815.H	06-MAY-93	14:45:24	7496	2	128	1529	1538	ODA	1
S30816.H	06-MAY-93	14:46:44	7496	3	128	1529	1538	ODA	1
S30817.H	06-MAY-93	14:48:31	7496	1	128	1538	1538	ODA	1
S30818.H	06-MAY-93	14:49:07	7496	1	2	1538	1538	ODA	1
S30819.H	06-MAY-93	14:51:40	7496	1	128	1547	1538	ODA	1
S30820.H	06-MAY-93	14:53:04	7496	2	128	1547	1538	ODA	1
S30821.H	06-MAY-93	14:55:43	7496	3	128	1547	1538	ODA	1
S30822.H	06-MAY-93	15:21:42	7496	1	128	1547	1538	ODA	1
S30823.H	06-MAY-93	15:25:18	7496	2	128	1547	1538	ODA	1
S30824.H	06-MAY-93	15:26:42	7496	3	128	1547	1538	ODA	1
S30825.H	07-MAY-93	13:38:26	7500	1	128	1529	1538	ODA	1
S30826.H	07-MAY-93	13:40:04	7500	2	128	1529	1538	ODA	1
S30827.H	07-MAY-93	13:41:42	7500	3	128	1529	1538	ODA	1
S30828.H	07-MAY-93	13:44:07	7500	1	128	1538	1538	ODA	1
S30829.H	07-MAY-93	13:44:53	7500	1	2	1538	1538	ODA	1
S30830.H	07-MAY-93	13:47:13	7500	1	128	1547	1538	ODA	1
S30831.H	07-MAY-93	13:48:50	7500	2	128	1547	1538	ODA	1
S30832.H	07-MAY-93	13:50:28	7500	3	128	1547	1538	ODA	1
S30833.H	07-MAY-93	13:52:10	7500	1	128	1547	1538	ODA	1
S30834.H	07-MAY-93	13:53:48	7500	2	128	1547	1538	ODA	1
S30835.H	07-MAY-93	13:55:26	7500	3	128	1547	1538	ODA	1
S30836.H	07-MAY-93	13:57:21	7500	1	128	1550	1538	ODA	1
S30837.H	07-MAY-93	13:58:58	7500	2	128	1550	1538	ODA	1
S30838.H	07-MAY-93	14:00:36	7500	3	128	1550	1538	ODA	1
S30839.H	07-MAY-93	14:02:27	7500	1	128	1550	1538	ODA	1
S30840.H	07-MAY-93	14:04:06	7500	2	128	1550	1538	ODA	1
S30841.H	07-MAY-93	14:05:51	7500	3	128	1550	1538	ODA	1
S30842.H	07-MAY-93	14:07:53	7500	1	128	1553	1538	ODA	1
S30843.H	07-MAY-93	14:09:32	7500	2	128	1553	1538	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30844.H	07-MAY-93	14:11:10	7500	3	128	1553	1538	ODA	1
S30845.H	07-MAY-93	14:12:50	7500	1	128	1553	1538	ODA	1
S30846.H	07-MAY-93	14:14:29	7500	2	128	1553	1538	ODA	1
S30847.H	07-MAY-93	14:16:09	7500	3	128	1553	1538	ODA	1
S30848.H	07-MAY-93	14:18:23	0	3	128	1547	1538	ODA	0
S30849.H	07-MAY-93	14:19:56	0	3	128	1550	1538	ODA	0
S30850.H	07-MAY-93	14:21:27	0	3	128	1553	1538	ODA	0
S30851.H	07-MAY-93	14:39:20	7496	1	128	1527	1537	ODA	1
S30852.H	07-MAY-93	14:40:57	7496	2	128	1527	1537	ODA	1
S30853.H	07-MAY-93	14:42:33	7496	3	128	1527	1537	ODA	1
S30854.H	07-MAY-93	14:44:31	7496	1	128	1537	1537	ODA	1
S30855.H	07-MAY-93	14:45:21	7496	1	2	1537	1537	ODA	1
S30856.H	07-MAY-93	14:48:04	7496	1	128	1545	1537	ODA	1
S30857.H	07-MAY-93	14:49:54	7496	2	128	1545	1537	ODA	1
S30858.H	07-MAY-93	14:51:39	7496	3	128	1545	1537	ODA	1
S30859.H	07-MAY-93	14:53:20	7496	1	128	1545	1537	ODA	1
S30860.H	07-MAY-93	14:54:56	7496	2	128	1545	1537	ODA	1
S30861.H	07-MAY-93	14:56:31	7496	3	128	1545	1537	ODA	1
S30862.H	07-MAY-93	14:58:27	7496	1	128	1549	1537	ODA	1
S30863.H	07-MAY-93	14:59:51	7496	2	128	1549	1537	ODA	1
S30864.H	07-MAY-93	15:01:25	7496	3	128	1549	1537	ODA	1
S30865.H	07-MAY-93	15:03:07	7496	1	128	1549	1537	ODA	1
S30866.H	07-MAY-93	15:04:45	7496	2	128	1549	1537	ODA	1
S30867.H	07-MAY-93	15:06:20	7496	3	128	1549	1537	ODA	1
S30868.H	07-MAY-93	15:08:42	7496	1	128	1546	1537	ODA	1
S30869.H	07-MAY-93	15:10:18	7496	2	128	1546	1537	ODA	1
S30870.H	07-MAY-93	15:11:53	7496	3	128	1546	1537	ODA	1
S30871.H	07-MAY-93	15:13:44	7496	1	128	1546	1537	ODA	1
S30872.H	07-MAY-93	15:15:25	7496	2	128	1546	1537	ODA	1
S30873.H	07-MAY-93	15:17:00	7496	3	128	1546	1537	ODA	1
S30874.H	07-MAY-93	15:19:02	7496	1	128	1552	1537	ODA	1
S30875.H	07-MAY-93	15:20:36	7496	2	128	1552	1537	ODA	1
S30876.H	07-MAY-93	15:22:11	7496	3	128	1552	1537	ODA	1
S30877.H	07-MAY-93	15:23:48	7496	1	128	1552	1537	ODA	1
S30878.H	07-MAY-93	15:25:27	7496	2	128	1552	1537	ODA	1
S30879.H	07-MAY-93	15:27:05	7496	3	128	1552	1537	ODA	1
S30880.H	07-MAY-93	17:16:36	7496	1	128	1528	1537	ODA	1
S30881.H	07-MAY-93	17:18:11	7496	2	128	1528	1537	ODA	1
S30882.H	07-MAY-93	17:19:43	7496	3	128	1528	1537	ODA	1
S30883.H	07-MAY-93	17:22:19	7496	1	128	1546	1537	ODA	1
S30884.H	07-MAY-93	17:25:31	7496	2	128	1546	1537	ODA	1
S30885.H	07-MAY-93	17:27:01	7496	3	128	1546	1537	ODA	1
S30886.H	07-MAY-93	17:28:46	7496	1	128	1546	1537	ODA	1
S30887.H	07-MAY-93	17:30:15	7496	2	128	1546	1537	ODA	1
S30888.H	07-MAY-93	17:31:47	7496	3	128	1546	1537	ODA	1
S30889.H	07-MAY-93	17:33:41	7496	1	128	1548	1537	ODA	1
S30890.H	07-MAY-93	17:35:11	7496	2	128	1548	1537	ODA	1
S30891.H	07-MAY-93	17:36:41	7496	3	128	1548	1537	ODA	1
S30892.H	07-MAY-93	17:38:13	7496	1	128	1548	1537	ODA	1
S30893.H	07-MAY-93	17:39:46	7496	2	128	1548	1537	ODA	1



# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30894.H	07-MAY-93	17:41:25	7496	3	128	1548	1537	ODA	1
S30895.H	07-MAY-93	17:45:06	7500	1	128	1529	1538	ODA	1
S30896.H	07-MAY-93	17:46:37	7500	2	128	1529	1538	ODA	1
S30897.H	07-MAY-93	17:48:08	7500	3	128	1529	1538	ODA	1
S30898.H	07-MAY-93	17:50:07	7500	1	128	1547	1538	ODA	1
S30899.H	07-MAY-93	17:51:36	7500	2	128	1547	1538	ODA	1
S30900.H	07-MAY-93	17:53:07	7500	3	128	1547	1538	ODA	1
S30901.H	07-MAY-93	17:54:39	7500	1	128	1547	1538	ODA	1
S30902.H	07-MAY-93	17:56:08	7500	2	128	1547	1538	ODA	1
S30903.H	07-MAY-93	17:57:27	7500	3	128	1547	1538	ODA	1
S30904.H	07-MAY-93	17:59:03	7500	1	128	1549	1538	ODA	1
S30905.H	07-MAY-93	18:00:22	7500	2	128	1549	1538	ODA	1
S30906.H	07-MAY-93	18:01:43	7500	3	128	1549	1538	ODA	1
S30907.H	07-MAY-93	18:03:21	7500	1	128	1549	1538	ODA	1
S30908.H	07-MAY-93	18:04:40	7500	2	128	1549	1538	ODA	1
S30909.H	07-MAY-93	18:05:59	7500	3	128	1549	1538	ODA	1
S30910.H	10-MAY-93	13:58:48	7496	1	128	1525	1534	ODA	1
S30911.H	10-MAY-93	14:00:28	7496	2	128	1525	1534	ODA	1
S30912.H	10-MAY-93	14:02:05	7496	3	128	1525	1534	ODA	1
S30913.H	10-MAY-93	14:04:15	7496	1	128	1534	1534	ODA	1
S30914.H	10-MAY-93	14:05:01	7496	1	2	1534	1534	ODA	1
S30915.H	10-MAY-93	14:07:29	7496	1	128	1543	1534	ODA	1
S30916.H	10-MAY-93	14:09:05	7496	2	128	1543	1534	ODA	1
S30917.H	10-MAY-93	14:10:44	7496	3	128	1543	1534	ODA	1
S30918.H	10-MAY-93	14:13:54	7496	1	128	1543	1534	ODA	1
S30919.H	10-MAY-93	14:15:31	7496	2	128	1543	1534	ODA	1
S30920.H	10-MAY-93	14:17:11	7496	3	128	1543	1534	ODA	1
S30921.H	10-MAY-93	14:19:08	7496	1	128	1546	1534	ODA	1
S30922.H	10-MAY-93	14:20:57	7496	2	128	1546	1534	ODA	1
S30923.H	10-MAY-93	14:22:39	7496	3	128	1546	1534	ODA	1
S30924.H	10-MAY-93	14:24:13	7496	1	128	1546	1534	ODA	1
S30925.H	10-MAY-93	14:25:43	7496	2	128	1546	1534	ODA	1
S30926.H	10-MAY-93	14:27:15	7496	3	128	1546	1534	ODA	1
S30927.H	10-MAY-93	14:29:14	7496	1	128	1549	1534	ODA	1
S30928.H	10-MAY-93	14:30:43	7496	2	128	1549	1534	ODA	1
S30929.H	10-MAY-93	14:32:06	7496	3	128	1549	1534	ODA	1
S30930.H	10-MAY-93	14:34:46	7496	1	128	1549	1534	ODA	1
S30931.H	10-MAY-93	14:36:16	7496	2	128	1549	1534	ODA	1
S30932.H	10-MAY-93	14:37:37	7496	3	128	1549	1534	ODA	1
S30933.H	10-MAY-93	14:39:24	7496	1	128	1550	1534	ODA	1
S30934.H	10-MAY-93	14:40:53	7496	2	128	1550	1534	ODA	1
S30935.H	10-MAY-93	14:42:36	7496	3	128	1550	1534	ODA	1
S30936.H	10-MAY-93	14:49:47	7496	1	128	1550	1534	ODA	1
S30937.H	10-MAY-93	14:51:16	7496	2	128	1550	1534	ODA	1
S30938.H	10-MAY-93	14:52:33	7496	3	128	1550	1534	ODA	1
S30939.H	10-MAY-93	14:58:41	7500	1	128	1526	1535	ODA	1
S30940.H	10-MAY-93	15:00:22	7500	2	128	1526	1535	ODA	1
S30941.H	10-MAY-93	15:01:55	7500	3	128	1526	1535	ODA	1
S30942.H	10-MAY-93	15:03:57	7500	1	128	1535	1535	ODA	1
S30943.H	10-MAY-93	15:04:42	7500	1	2	1535	1535	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30944.H	10-MAY-93	15:07:00	7500	1	128	1544	1535	ODA	1
S30945.H	10-MAY-93	15:08:37	7500	2	128	1544	1535	ODA	1
S30946.H	10-MAY-93	15:10:23	7500	3	128	1544	1535	ODA	1
S30947.H	10-MAY-93	15:11:57	7500	1	128	1544	1535	ODA	1
S30948.H	10-MAY-93	15:13:39	7500	2	128	1544	1535	ODA	1
S30949.H	10-MAY-93	15:15:07	7500	3	128	1544	1535	ODA	1
S30950.H	10-MAY-93	15:17:20	7500	1	128	1547	1535	ODA	1
S30951.H	10-MAY-93	15:18:48	7500	2	128	1547	1535	ODA	1
S30952.H	10-MAY-93	15:20:18	7500	3	128	1547	1535	ODA	1
S30953.H	10-MAY-93	15:21:50	7500	1	128	1547	1535	ODA	1
S30954.H	10-MAY-93	15:23:09	7500	2	128	1547	1535	ODA	1
S30955.H	10-MAY-93	15:24:39	7500	3	128	1547	1535	ODA	1
S30956.H	10-MAY-93	15:27:40	0	3	128	1543	1534	ODA	0
S30957.H	10-MAY-93	15:29:48	0	3	128	1546	1534	ODA	0
S30958.H	10-MAY-93	15:32:14	0	3	128	1549	1534	ODA	0
S30959.H	10-MAY-93	15:33:23	0	3	128	1549	1534	ODA	0
S30960.H	12-MAY-93	20:06:09	7500	1	128	1543	1535	ODA	1
S30961.H	12-MAY-93	20:08:41	7500	2	128	1543	1535	ODA	1
S30962.H	12-MAY-93	20:10:51	7500	3	128	1543	1535	ODA	1
S30963.H	12-MAY-93	20:12:23	7500	1	128	1543	1535	ODA	1
S30964.H	12-MAY-93	20:15:21	7500	2	128	1543	1535	ODA	1
S30965.H	12-MAY-93	20:21:12	7500	3	128	1543	1535	ODA	1
S30966.H	12-MAY-93	20:37:58	7500	1	128	1543	1534	ODA	1
S30967.H	12-MAY-93	20:39:25	7500	2	128	1543	1534	ODA	1
S30968.H	12-MAY-93	20:41:58	7500	3	128	1543	1534	ODA	1
S30969.H	12-MAY-93	20:45:30	7500	1	128	1525	1534	ODA	1
S30970.H	14-MAY-93	13:47:51	7500	1	128	1525	1534	ODA	1
S30971.H	14-MAY-93	13:49:21	7500	2	128	1525	1534	ODA	1
S30972.H	14-MAY-93	13:50:54	7500	3	128	1525	1534	ODA	1
S30973.H	14-MAY-93	13:52:51	7500	1	128	1531	1534	ODA	1
S30974.H	14-MAY-93	13:53:40	7500	1	2	1531	1534	ODA	1
S30975.H	14-MAY-93	13:56:41	7500	1	128	1543	1534	ODA	1
S30976.H	14-MAY-93	13:58:11	7500	2	128	1543	1534	ODA	1
S30977.H	14-MAY-93	13:59:42	7500	3	128	1543	1534	ODA	1
S30978.H	14-MAY-93	14:01:21	7500	1	128	1543	1534	ODA	1
S30979.H	14-MAY-93	14:02:53	7500	2	128	1543	1534	ODA	1
S30980.H	14-MAY-93	14:04:27	7500	3	128	1543	1534	ODA	1
S30981.H	14-MAY-93	14:06:25	7500	1	128	1546	1534	ODA	1
S30982.H	14-MAY-93	14:07:54	7500	2	128	1546	1534	ODA	1
S30983.H	14-MAY-93	14:09:26	7500	3	128	1546	1534	ODA	1
S30984.H	14-MAY-93	14:11:18	7500	1	128	1546	1534	ODA	1
S30985.H	14-MAY-93	14:12:49	7500	2	128	1546	1534	ODA	1
S30986.H	14-MAY-93	14:14:22	7500	3	128	1546	1534	ODA	1
S30987.H	14-MAY-93	14:16:13	7500	1	128	1549	1534	ODA	1
S30988.H	14-MAY-93	14:17:43	7500	2	128	1549	1534	ODA	1
S30989.H	14-MAY-93	14:19:13	7500	3	128	1549	1534	ODA	1
S30990.H	14-MAY-93	14:20:43	7500	1	128	1549	1534	ODA	1
S30991.H	14-MAY-93	14:22:15	7500	2	128	1549	1534	ODA	1
S30992.H	14-MAY-93	14:23:52	7500	3	128	1549	1534	ODA	1
S30993.H	14-MAY-93	14:32:53	7500	1	128	1529	1538	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S30994.H	14-MAY-93	14:34:32	7500	2	128	1529	1538	ODA	1
S30995.H	14-MAY-93	14:36:02	7500	3	128	1529	1538	ODA	1
S30996.H	14-MAY-93	14:39:28	7504	1	128	1538	1538	ODA	1
S30997.H	14-MAY-93	14:42:09	7504	2	128	1538	1538	ODA	1
S30998.H	14-MAY-93	14:43:45	7504	3	128	1538	1538	ODA	1
S30999.H	14-MAY-93	14:47:01	7504	1	2	1538	1538	ODA	1
S31000.H	14-MAY-93	14:51:07	7504	1	128	1547	1538	ODA	1
S31001.H	14-MAY-93	14:56:29	7504	2	128	1547	1538	ODA	1
S31002.H	14-MAY-93	15:00:50	7504	3	128	1546	1538	ODA	1
S31003.H	14-MAY-93	15:02:32	7504	1	128	1546	1538	ODA	1
S31004.H	14-MAY-93	15:04:16	7504	2	128	1546	1538	ODA	1
S31005.H	14-MAY-93	15:09:33	7504	3	128	1547	1538	ODA	1
S31006.H	14-MAY-93	15:12:37	7504	1	128	1546	1538	ODA	1
S31007.H	14-MAY-93	15:14:10	7504	2	128	1546	1538	ODA	1
S31008.H	14-MAY-93	15:15:39	7504	3	128	1546	1538	ODA	1
S31009.H	14-MAY-93	15:17:29	7504	1	128	1549	1538	ODA	1
S31010.H	14-MAY-93	15:19:00	7504	2	128	1549	1538	ODA	1
S31011.H	14-MAY-93	15:20:29	7504	3	128	1549	1538	ODA	1
S31012.H	14-MAY-93	15:22:07	7504	1	128	1549	1538	ODA	1
S31013.H	14-MAY-93	15:23:35	7504	2	128	1549	1538	ODA	1
S31014.H	14-MAY-93	15:27:25	7504	3	128	1549	1538	ODA	1
S31015.H	14-MAY-93	15:31:46	0	3	128	1545	1536	ODA	0
S31016.H	14-MAY-93	15:33:14	0	3	128	1548	1536	ODA	0
S31017.H	14-MAY-93	15:34:31	0	3	128	1551	1536	ODA	0
S31018.H	14-MAY-93	15:35:47	0	3	128	1551	1536	ODA	0
S31019.H	18-MAY-93	14:38:00	7504	1	128	1527	1536	ODA	1
S31020.H	18-MAY-93	14:39:34	7504	2	128	1527	1536	ODA	1
S31021.H	18-MAY-93	14:41:08	7504	3	128	1527	1536	ODA	1
S31022.H	18-MAY-93	14:43:20	7504	1	128	1536	1536	ODA	1
S31023.H	18-MAY-93	14:44:23	7504	1	2	1536	1536	ODA	1
S31024.H	18-MAY-93	14:47:02	7504	1	128	1545	1536	ODA	1
S31025.H	18-MAY-93	14:48:37	7504	2	128	1545	1536	ODA	1
S31026.H	18-MAY-93	14:50:08	7504	3	128	1545	1536	ODA	1
S31027.H	18-MAY-93	14:52:01	7504	1	128	1545	1536	ODA	1
S31028.H	18-MAY-93	14:53:34	7504	2	128	1545	1536	ODA	1
S31029.H	18-MAY-93	14:55:04	7504	3	128	1545	1536	ODA	1
S31030.H	18-MAY-93	14:56:53	7504	1	128	1548	1536	ODA	1
S31031.H	18-MAY-93	15:00:30	7504	2	128	1547	1536	ODA	1
S31032.H	18-MAY-93	15:01:59	7504	3	128	1547	1536	ODA	1
S31033.H	18-MAY-93	15:06:18	7504	1	128	1547	1536	ODA	1
S31034.H	18-MAY-93	15:08:39	7504	2	128	1547	1536	ODA	1
S31035.H	18-MAY-93	15:10:34	7504	3	128	1547	1536	ODA	1
S31036.H	18-MAY-93	15:13:43	7504	1	128	1551	1536	ODA	1
S31037.H	18-MAY-93	15:15:14	7504	2	128	1551	1536	ODA	1
S31038.H	18-MAY-93	15:16:45	7504	3	128	1551	1536	ODA	1
S31039.H	18-MAY-93	15:20:24	0	3	128	1545	1536	ODA	0
S31040.H	18-MAY-93	15:21:43	0	3	128	1548	1536	ODA	0
S31041.H	18-MAY-93	15:22:56	0	3	128	1551	1536	ODA	0
S31042.H	20-MAY-93	13:29:11	7504	1	128	1525	1534	ODA	1
S31043.H	20-MAY-93	13:30:47	7504	2	128	1525	1534	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31044.H	20-MAY-93	13:32:29	7504	3	128	1525	1534	ODA	1
S31045.H	20-MAY-93	13:36:06	7504	1	128	1534	1534	ODA	1
S31046.H	20-MAY-93	13:37:00	7504	1	2	1534	1534	ODA	1
S31047.H	20-MAY-93	13:39:58	7504	1	128	1543	1534	ODA	1
S31048.H	20-MAY-93	13:41:46	7504	2	128	1543	1534	ODA	1
S31049.H	20-MAY-93	13:43:22	7504	3	128	1543	1534	ODA	1
S31050.H	20-MAY-93	13:45:43	7504	1	128	1543	1534	ODA	1
S31051.H	20-MAY-93	13:47:18	7504	2	128	1543	1534	ODA	1
S31052.H	20-MAY-93	13:48:49	7504	3	128	1543	1534	ODA	1
S31053.H	20-MAY-93	13:52:37	7504	1	128	1545	1534	ODA	1
S31054.H	20-MAY-93	13:54:09	7504	2	128	1545	1534	ODA	1
S31055.H	20-MAY-93	13:55:43	7504	3	128	1545	1534	ODA	1
S31056.H	20-MAY-93	13:57:22	7504	1	128	1545	1534	ODA	1
S31057.H	20-MAY-93	13:58:47	7504	2	128	1545	1534	ODA	1
S31058.H	20-MAY-93	14:00:09	7504	3	128	1545	1534	ODA	1
S31059.H	20-MAY-93	14:02:09	7504	1	128	1549	1534	ODA	1
S31060.H	20-MAY-93	14:03:41	7504	2	128	1549	1534	ODA	1
S31061.H	20-MAY-93	14:05:23	7504	3	128	1549	1534	ODA	1
S31062.H	20-MAY-93	14:07:46	0	3	128	1543	1534	ODA	0
S31063.H	20-MAY-93	14:09:13	0	3	128	1544	1534	ODA	0
S31064.H	20-MAY-93	14:10:36	0	3	128	1549	1534	ODA	0
S31065.H	27-MAY-93	20:28:12	7515	1	64	1500	1534	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31066.H	01-JUN-93	15:58:55	7515	1	128	1493	1503	ODA	1
S31067.H	01-JUN-93	16:00:24	7515	2	128	1493	1503	ODA	1
S31068.H	01-JUN-93	16:01:47	7515	3	128	1493	1503	ODA	1
S31069.H	01-JUN-93	16:04:37	7515	1	128	1503	1503	ODA	1
S31070.H	01-JUN-93	16:06:08	7515	2	128	1503	1503	ODA	1
S31071.H	01-JUN-93	16:07:28	7515	3	128	1503	1503	ODA	1
S31072.H	01-JUN-93	16:09:34	7515	1	128	1512	1503	ODA	1
S31073.H	01-JUN-93	16:10:59	7515	2	128	1512	1503	ODA	1
S31074.H	01-JUN-93	16:12:24	7515	3	128	1512	1503	ODA	1
S31075.H	01-JUN-93	16:13:54	7515	1	128	1512	1503	ODA	1
S31076.H	01-JUN-93	16:15:20	7515	2	128	1512	1503	ODA	1
S31077.H	01-JUN-93	16:16:44	7515	3	128	1512	1503	ODA	1
S31078.H	01-JUN-93	16:18:33	7515	1	128	1515	1503	ODA	1
S31079.H	01-JUN-93	16:19:58	7515	2	128	1515	1503	ODA	1
S31080.H	01-JUN-93	16:21:20	7515	3	128	1515	1503	ODA	1
S31081.H	01-JUN-93	16:23:07	7515	1	128	1515	1503	ODA	1
S31082.H	01-JUN-93	16:24:35	7515	2	128	1515	1503	ODA	1
S31083.H	01-JUN-93	16:25:58	7515	3	128	1515	1503	ODA	1
S31084.H	01-JUN-93	16:28:33	7515	1	128	1517	1503	ODA	1
S31085.H	01-JUN-93	16:29:56	7515	2	128	1517	1503	ODA	1
S31086.H	01-JUN-93	16:31:18	7515	3	128	1517	1503	ODA	1
S31087.H	01-JUN-93	16:33:27	7515	1	1	1512	1503	ODA	1
S31088.H	01-JUN-93	16:36:36	0	3	128	1512	1503	ODA	0
S31089.H	01-JUN-93	16:37:56	0	3	128	1515	1503	ODA	0
S31090.H	01-JUN-93	16:39:21	0	3	128	1518	1503	ODA	0
S31091.H	01-JUN-93	16:43:46	7515	1	128	1512	1503	ODA	1
S31092.H	01-JUN-93	16:45:11	7515	2	128	1512	1503	ODA	1
S31093.H	01-JUN-93	16:46:34	7515	3	128	1502	1503	ODA	1
S31094.H	01-JUN-93	16:48:03	7515	1	128	1502	1503	ODA	1
S31095.H	01-JUN-93	16:49:26	7515	2	128	1502	1503	ODA	1
S31096.H	01-JUN-93	16:50:50	7515	3	128	1502	1503	ODA	1
S31097.H	01-JUN-93	17:11:17	7517	1	128	1495	1504	ODA	1
S31098.H	01-JUN-93	17:12:43	7517	2	128	1495	1504	ODA	1
S31099.H	01-JUN-93	17:14:07	7517	3	128	1495	1504	ODA	1
S31100.H	01-JUN-93	17:16:42	7517	1	128	1513	1504	ODA	1
S31101.H	01-JUN-93	17:18:06	7517	2	128	1513	1504	ODA	1
S31102.H	01-JUN-93	17:19:30	7517	3	128	1513	1504	ODA	1
S31103.H	01-JUN-93	17:21:29	7517	1	128	1515	1504	ODA	1
S31104.H	01-JUN-93	17:22:54	7517	2	128	1515	1504	ODA	1
S31105.H	01-JUN-93	17:24:18	7517	3	128	1515	1504	ODA	1
S31106.H	01-JUN-93	17:39:18	7518	1	128	1497	1506	ODA	1
S31107.H	01-JUN-93	17:40:45	7518	2	128	1497	1506	ODA	1
S31108.H	01-JUN-93	17:42:11	7518	3	128	1497	1506	ODA	1
S31109.H	01-JUN-93	17:44:21	7518	1	128	1515	1506	ODA	1
S31110.H	01-JUN-93	17:45:49	7518	2	128	1515	1506	ODA	1
S31111.H	01-JUN-93	17:47:14	7518	3	128	1515	1506	ODA	1
S31112.H	01-JUN-93	17:49:22	7518	1	128	1518	1506	ODA	1
S31113.H	01-JUN-93	17:50:54	7518	2	128	1518	1506	ODA	1
S31114.H	01-JUN-93	17:52:18	7518	3	128	1518	1506	ODA	1
S31115.H	02-JUN-93	21:03:49	7515	1	128	1491	1501	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31116.H	02-JUN-93	21:05:13	7515	2	128	1491	1501	ODA	1
S31117.H	02-JUN-93	21:06:38	7515	3	128	1491	1501	ODA	1
S31118.H	02-JUN-93	21:08:31	7515	1	128	1501	1501	ODA	1
S31119.H	02-JUN-93	21:09:17	7515	1	2	1501	1501	ODA	1
S31120.H	02-JUN-93	21:11:20	7515	1	128	1509	1501	ODA	1
S31121.H	02-JUN-93	21:12:43	7515	2	128	1509	1501	ODA	1
S31122.H	02-JUN-93	21:14:08	7515	3	128	1509	1501	ODA	1
S31123.H	02-JUN-93	21:15:37	7515	1	128	1509	1501	ODA	1
S31124.H	02-JUN-93	21:18:30	7515	2	128	1509	1501	ODA	1
S31125.H	02-JUN-93	21:19:55	7515	3	128	1509	1501	ODA	1
S31126.H	02-JUN-93	21:21:33	7515	1	128	1513	1501	ODA	1
S31127.H	02-JUN-93	21:22:56	7515	2	128	1513	1501	ODA	1
S31128.H	02-JUN-93	21:24:20	7515	3	128	1513	1501	ODA	1
S31129.H	02-JUN-93	21:25:45	7515	1	128	1513	1501	ODA	1
S31130.H	02-JUN-93	21:27:12	7515	2	128	1513	1501	ODA	1
S31131.H	02-JUN-93	21:28:35	7515	3	128	1513	1501	ODA	1
S31132.H	02-JUN-93	21:30:29	0	3	128	1500	1501	ODA	0
S31133.H	02-JUN-93	21:31:37	0	3	128	1513	1501	ODA	0
S31134.H	02-JUN-93	21:32:39	0	3	128	1513	1501	ODA	0
S31135.H	03-JUN-93	13:40:04	7515	1	128	1491	1501	ODA	1
S31136.H	03-JUN-93	13:41:36	7515	2	128	1491	1501	ODA	1
S31137.H	03-JUN-93	13:43:10	7515	3	128	1491	1501	ODA	1
S31138.H	03-JUN-93	13:49:13	7515	1	128	1501	1501	ODA	1
S31139.H	03-JUN-93	13:50:13	7515	1	2	1501	1501	ODA	1
S31140.H	03-JUN-93	13:52:38	7515	1	128	1510	1501	ODA	1
S31141.H	03-JUN-93	13:54:10	7515	2	128	1510	1501	ODA	1
S31142.H	03-JUN-93	13:55:41	7515	3	128	1510	1501	ODA	1
S31143.H	03-JUN-93	13:57:19	7515	1	128	1510	1501	ODA	1
S31144.H	03-JUN-93	13:58:52	7515	2	128	1510	1501	ODA	1
S31145.H	03-JUN-93	14:00:23	7515	3	128	1510	1501	ODA	1
S31146.H	03-JUN-93	14:02:15	7515	1	128	1511	1501	ODA	1
S31147.H	03-JUN-93	14:03:44	7515	2	128	1511	1501	ODA	1
S31148.H	03-JUN-93	14:05:15	7515	3	128	1511	1501	ODA	1
S31149.H	03-JUN-93	14:06:53	7515	1	128	1511	1501	ODA	1
S31150.H	03-JUN-93	14:08:27	7515	2	128	1511	1501	ODA	1
S31151.H	03-JUN-93	14:09:57	7515	3	128	1511	1501	ODA	1
S31152.H	03-JUN-93	14:12:00	7515	1	128	1511	1501	ODA	1
S31153.H	03-JUN-93	14:14:13	7515	2	128	1511	1501	ODA	1
S31154.H	03-JUN-93	14:15:40	7515	3	128	1511	1501	ODA	1
S31155.H	03-JUN-93	14:17:13	7515	1	128	1511	1501	ODA	1
S31156.H	03-JUN-93	14:18:46	7515	2	128	1515	1501	ODA	1
S31157.H	03-JUN-93	14:20:17	7515	3	128	1515	1501	ODA	1
S31158.H	03-JUN-93	14:29:44	7518	1	128	1496	1505	ODA	1
S31159.H	03-JUN-93	14:31:45	7518	2	128	1496	1505	ODA	1
S31160.H	03-JUN-93	14:33:13	7518	3	128	1496	1505	ODA	1
S31161.H	03-JUN-93	14:35:19	7518	1	128	1505	1505	ODA	1
S31162.H	03-JUN-93	14:37:45	7518	1	128	1514	1505	ODA	1
S31163.H	03-JUN-93	14:40:18	7518	2	128	1514	1505	ODA	1
S31164.H	03-JUN-93	14:41:45	7518	3	128	1514	1505	ODA	1
S31165.H	03-JUN-93	14:43:17	7518	1	128	1514	1505	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31166.H	03-JUN-93	14:44:59	7518	2	128	1514	1505	ODA	1
S31167.H	03-JUN-93	14:46:27	7518	3	128	1514	1505	ODA	1
S31168.H	03-JUN-93	14:48:16	7518	1	128	1517	1505	ODA	1
S31169.H	03-JUN-93	14:49:41	7518	2	128	1517	1505	ODA	1
S31170.H	03-JUN-93	14:51:07	7518	3	128	1517	1505	ODA	1
S31171.H	03-JUN-93	14:52:38	7518	1	128	1517	1505	ODA	1
S31172.H	03-JUN-93	14:54:06	7518	2	128	1517	1505	ODA	1
S31173.H	03-JUN-93	14:55:22	7518	3	128	1517	1505	ODA	1
S31174.H	03-JUN-93	14:57:02	7518	1	128	1520	1505	ODA	1
S31175.H	03-JUN-93	14:58:40	7518	2	128	1519	1505	ODA	1
S31176.H	03-JUN-93	15:00:08	7518	3	128	1519	1505	ODA	1
S31177.H	03-JUN-93	15:01:54	7518	1	128	1520	1505	ODA	1
S31178.H	03-JUN-93	15:03:20	7518	2	128	1520	1505	ODA	1
S31179.H	03-JUN-93	15:04:49	7518	3	128	1519	1505	ODA	1
S31180.H	03-JUN-93	15:07:32	0	3	128	1512	1503	ODA	0
S31181.H	03-JUN-93	15:09:03	0	3	128	1515	1503	ODA	0
S31182.H	03-JUN-93	15:11:20	0	3	128	1515	1503	ODA	0
S31183.H	03-JUN-93	15:12:29	0	3	128	1515	1503	ODA	0
S31184.H	03-JUN-93	18:54:39	7515	1	128	1509	1501	ODA	1
S31185.H	03-JUN-93	18:56:04	7515	2	128	1509	1501	ODA	1
S31186.H	03-JUN-93	18:57:32	7515	3	128	1509	1501	ODA	1
S31187.H	03-JUN-93	19:01:34	7515	1	128	1491	1501	ODA	1
S31188.H	03-JUN-93	19:05:17	7515	2	128	1491	1501	ODA	1
S31189.H	03-JUN-93	19:06:45	7515	3	128	1491	1501	ODA	1
S31190.H	03-JUN-93	19:08:44	7515	1	128	1491	1501	ODA	1
S31191.H	03-JUN-93	19:10:11	7515	2	128	1491	1501	ODA	1
S31192.H	03-JUN-93	19:11:37	7515	3	128	1491	1501	ODA	1
S31193.H	03-JUN-93	19:13:40	7515	1	128	1509	1501	ODA	1
S31194.H	03-JUN-93	19:15:06	7515	2	128	1509	1501	ODA	1
S31195.H	03-JUN-93	19:16:34	7515	3	128	1509	1501	ODA	1
S31196.H	04-JUN-93	19:10:01	7515	1	128	1510	1501	ODA	1
S31197.H	04-JUN-93	19:11:38	7515	2	128	1510	1501	ODA	1
S31198.H	04-JUN-93	19:13:08	7515	3	128	1510	1501	ODA	1
S31199.H	04-JUN-93	19:15:51	7515	1	128	1510	1501	ODA	1
S31200.H	04-JUN-93	19:17:20	7515	2	128	1510	1501	ODA	1
S31201.H	04-JUN-93	19:20:27	7515	3	128	1510	1501	ODA	1
S31202.H	04-JUN-93	19:24:32	7515	1	128	1492	1501	ODA	1
S31203.H	04-JUN-93	19:26:03	7515	2	128	1492	1501	ODA	1
S31204.H	04-JUN-93	19:27:34	7515	3	128	1492	1501	ODA	1
S31205.H	04-JUN-93	19:30:53	7515	1	128	1501	1501	ODA	1
S31206.H	04-JUN-93	19:32:00	7515	1	2	1501	1501	ODA	1
S31207.H	04-JUN-93	19:34:13	7515	1	128	1500	1501	ODA	1
S31208.H	04-JUN-93	19:35:45	7515	2	128	1510	1501	ODA	1
S31209.H	04-JUN-93	19:37:16	7515	3	128	1510	1501	ODA	1
S31210.H	04-JUN-93	19:39:01	7515	1	128	1513	1501	ODA	1
S31211.H	04-JUN-93	19:40:30	7515	2	128	1513	1501	ODA	1
S31212.H	04-JUN-93	19:42:02	7515	3	128	1513	1501	ODA	1
S31213.H	04-JUN-93	19:43:36	7515	1	128	1513	1501	ODA	1
S31214.H	04-JUN-93	19:45:10	7515	2	128	1513	1501	ODA	1
S31215.H	04-JUN-93	19:46:41	7515	3	128	1513	1501	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31216.H	04-JUN-93	19:48:23	7515	1	128	1516	1501	ODA	1
S31217.H	04-JUN-93	19:50:01	7515	2	128	1516	1501	ODA	1
S31218.H	04-JUN-93	19:52:41	7515	3	128	1516	1501	ODA	1
S31219.H	04-JUN-93	19:58:36	7518	1	128	1513	1504	ODA	1
S31220.H	04-JUN-93	20:00:06	7518	2	128	1513	1504	ODA	1
S31221.H	04-JUN-93	20:01:35	7518	3	128	1513	1504	ODA	1
S31222.H	04-JUN-93	20:07:08	7518	1	128	1513	1504	ODA	1
S31223.H	04-JUN-93	20:08:37	7518	2	128	1513	1504	ODA	1
S31224.H	04-JUN-93	20:11:09	7518	3	128	1513	1504	ODA	1
S31225.H	04-JUN-93	20:13:46	7518	1	128	1495	1504	ODA	1
S31226.H	04-JUN-93	20:15:15	7518	2	128	1495	1504	ODA	1
S31227.H	04-JUN-93	20:16:55	7518	3	128	1495	1504	ODA	1
S31228.H	04-JUN-93	20:19:26	7518	1	128	1503	1504	ODA	1
S31229.H	04-JUN-93	20:20:25	7518	1	2	1503	1504	ODA	1
S31230.H	04-JUN-93	20:23:42	7518	1	128	1513	1504	ODA	1
S31231.H	04-JUN-93	20:25:10	7518	2	128	1513	1504	ODA	1
S31232.H	04-JUN-93	20:26:41	7518	3	128	1513	1504	ODA	1
S31233.H	04-JUN-93	20:28:31	7518	1	128	1515	1504	ODA	1
S31234.H	04-JUN-93	20:29:58	7518	2	128	1515	1504	ODA	1
S31235.H	04-JUN-93	20:31:24	7518	3	128	1515	1504	ODA	1
S31236.H	04-JUN-93	20:33:17	7518	1	128	1515	1504	ODA	1
S31237.H	04-JUN-93	20:35:53	7518	2	128	1515	1504	ODA	1
S31238.H	04-JUN-93	20:37:32	7518	3	128	1515	1504	ODA	1
S31239.H	04-JUN-93	20:39:41	0	3	128	1509	1501	ODA	0
S31240.H	04-JUN-93	20:41:07	0	3	128	1513	1501	ODA	0
S31241.H	04-JUN-93	20:42:23	0	3	128	1513	1501	ODA	0
S31242.H	07-JUN-93	14:08:29	7518	1	128	1512	1503	ODA	1
S31243.H	07-JUN-93	14:10:03	7518	2	128	1512	1503	ODA	1
S31244.H	07-JUN-93	14:11:37	7518	3	128	1512	1503	ODA	1
S31245.H	07-JUN-93	14:13:16	7518	1	128	1512	1503	ODA	1
S31246.H	07-JUN-93	14:14:52	7518	2	128	1512	1503	ODA	1
S31247.H	07-JUN-93	14:16:28	7518	3	128	1512	1503	ODA	1
S31248.H	07-JUN-93	14:18:26	7518	1	128	1512	1503	ODA	1
S31249.H	07-JUN-93	14:20:23	7518	2	128	1512	1503	ODA	1
S31250.H	07-JUN-93	14:22:02	7518	3	128	1510	1503	ODA	1
S31251.H	07-JUN-93	14:23:41	7518	1	128	1510	1503	ODA	1
S31252.H	07-JUN-93	14:26:59	7518	2	128	1512	1503	ODA	1
S31253.H	07-JUN-93	14:28:37	7518	3	128	1512	1503	ODA	1
S31254.H	07-JUN-93	14:30:17	7518	1	128	1512	1503	ODA	1
S31255.H	07-JUN-93	14:31:53	7518	2	128	1512	1503	ODA	1
S31256.H	07-JUN-93	14:33:27	7518	3	128	1512	1503	ODA	1
S31257.H	07-JUN-93	14:38:24	7518	1	128	1511	1502	ODA	1
S31258.H	07-JUN-93	14:39:58	7518	2	128	1511	1502	ODA	1
S31259.H	07-JUN-93	14:42:50	7518	3	128	1511	1502	ODA	1
S31260.H	07-JUN-93	14:44:34	7518	1	128	1511	1502	ODA	1
S31261.H	07-JUN-93	14:46:17	7518	2	128	1511	1502	ODA	1
S31262.H	07-JUN-93	14:47:52	7518	3	128	1511	1502	ODA	1
S31263.H	07-JUN-93	14:51:27	7518	1	128	1493	1502	ODA	1
S31264.H	07-JUN-93	14:53:03	7518	2	128	1493	1502	ODA	1
S31265.H	07-JUN-93	14:54:39	7518	3	128	1493	1502	ODA	1



# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
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S31267.H	07-JUN-93	14:58:23	7518	2	128	1511	1502	ODA	1
S31268.H	07-JUN-93	14:59:56	7518	3	128	1511	1502	ODA	1
S31269.H	07-JUN-93	15:02:17	7518	1	128	1501	1502	ODA	1
S31270.H	07-JUN-93	15:03:00	7518	1	2	1501	1502	ODA	1
S31271.H	07-JUN-93	15:05:37	7518	1	128	1513	1502	ODA	1
S31272.H	07-JUN-93	15:07:10	7518	2	128	1513	1502	ODA	1
S31273.H	07-JUN-93	15:08:43	7518	3	128	1513	1502	ODA	1
S31274.H	07-JUN-93	15:10:21	7518	1	128	1513	1502	ODA	1
S31275.H	07-JUN-93	15:11:57	7518	2	128	1513	1502	ODA	1
S31276.H	07-JUN-93	15:13:38	7518	3	128	1513	1502	ODA	1
S31277.H	07-JUN-93	15:23:20	7518	1	128	1517	1502	ODA	1
S31278.H	07-JUN-93	15:24:50	7518	2	128	1517	1502	ODA	1
S31279.H	07-JUN-93	15:26:24	7518	3	128	1517	1502	ODA	1
S31280.H	07-JUN-93	15:28:23	7518	1	128	1517	1502	ODA	1
S31281.H	07-JUN-93	15:29:53	7518	2	128	1517	1502	ODA	1
S31282.H	07-JUN-93	15:31:26	7518	3	128	1517	1502	ODA	1
S31283.H	07-JUN-93	15:33:34	0	3	128	1511	1502	ODA	0
S31284.H	07-JUN-93	15:35:11	0	3	128	1513	1502	ODA	0
S31285.H	07-JUN-93	15:36:40	0	3	128	1516	1502	ODA	0
S31286.H	07-JUN-93	15:40:52	7518	1	128	1493	1502	ODA	1
S31287.H	07-JUN-93	15:42:23	7518	2	128	1493	1502	ODA	1
S31288.H	07-JUN-93	15:44:01	7518	3	128	1493	1502	ODA	1
S31289.H	07-JUN-93	15:46:47	7518	1	128	1511	1502	ODA	1
S31290.H	07-JUN-93	15:48:21	7518	2	128	1511	1502	ODA	1
S31291.H	07-JUN-93	15:49:54	7518	3	128	1511	1502	ODA	1
S31292.H	07-JUN-93	18:44:55	7518	1	128	1511	1502	ODA	1
S31293.H	07-JUN-93	18:46:23	7518	2	128	1511	1502	ODA	1
S31294.H	07-JUN-93	18:48:58	7518	3	128	1511	1502	ODA	1
S31295.H	07-JUN-93	18:51:07	7518	1	128	1493	1502	ODA	1
S31296.H	07-JUN-93	18:53:38	7518	2	128	1493	1502	ODA	1
S31297.H	07-JUN-93	18:55:05	7518	3	128	1493	1502	ODA	1
S31298.H	07-JUN-93	18:57:14	7518	1	128	1511	1502	ODA	1
S31299.H	07-JUN-93	18:58:42	7518	2	128	1511	1502	ODA	1
S31300.H	07-JUN-93	19:00:11	7518	3	128	1511	1502	ODA	1
S31301.H	07-JUN-93	19:01:54	7518	1	128	1511	1502	ODA	1
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S31303.H	07-JUN-93	19:04:53	7518	3	128	1511	1502	ODA	1
S31304.H	07-JUN-93	19:06:25	7518	1	128	1511	1502	ODA	1
S31305.H	07-JUN-93	19:07:57	7518	2	128	1511	1502	ODA	1
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S31307.H	07-JUN-93	19:17:17	7518	1	128	1513	1502	ODA	1
S31308.H	07-JUN-93	19:18:45	7518	2	128	1513	1502	ODA	1
S31309.H	07-JUN-93	19:20:12	7518	3	128	1513	1502	ODA	1
S31310.H	07-JUN-93	19:21:41	7518	1	128	1513	1502	ODA	1
S31311.H	07-JUN-93	19:23:08	7518	2	128	1513	1502	ODA	1
S31312.H	07-JUN-93	19:24:35	7518	3	128	1513	1502	ODA	1
S31313.H	07-JUN-93	19:26:29	7518	1	128	1517	1502	ODA	1
S31314.H	07-JUN-93	19:27:56	7518	2	128	1517	1502	ODA	1
S31315.H	07-JUN-93	19:30:37	7518	3	128	1517	1502	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
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S31317.H	07-JUN-93	19:33:44	7518	2	128	1517	1502	ODA	1
S31318.H	07-JUN-93	19:35:10	7518	3	128	1517	1502	ODA	1
S31319.H	07-JUN-93	19:37:33	0	3	128	1511	1502	ODA	0
S31320.H	07-JUN-93	19:38:53	0	3	128	1513	1502	ODA	0
S31321.H	07-JUN-93	19:40:25	0	3	128	1517	1502	ODA	0
S31322.H	08-JUN-93	14:15:40	7518	1	64	1493	1502	ODA	1
S31323.H	08-JUN-93	14:16:46	7518	2	64	1493	1502	ODA	1
S31324.H	08-JUN-93	14:17:57	7518	3	64	1493	1502	ODA	1
S31325.H	08-JUN-93	14:19:38	7518	1	64	1502	1502	ODA	1
S31326.H	08-JUN-93	14:20:25	7518	1	2	1502	1502	ODA	1
S31327.H	08-JUN-93	14:24:45	7518	1	64	1511	1502	ODA	1
S31328.H	08-JUN-93	14:25:52	7518	2	64	1511	1502	ODA	1
S31329.H	08-JUN-93	14:27:02	7518	3	64	1511	1502	ODA	1
S31330.H	08-JUN-93	14:28:35	7518	1	64	1511	1502	ODA	1
S31331.H	08-JUN-93	14:29:44	7518	2	64	1511	1502	ODA	1
S31332.H	08-JUN-93	14:30:52	7518	3	64	1511	1502	ODA	1
S31333.H	08-JUN-93	14:33:39	7518	1	128	1511	1502	ODA	1
S31334.H	08-JUN-93	14:35:11	7518	2	128	1511	1502	ODA	1
S31335.H	08-JUN-93	14:36:44	7518	3	128	1511	1502	ODA	1
S31336.H	08-JUN-93	14:38:19	7518	1	128	1511	1502	ODA	1
S31337.H	08-JUN-93	14:39:51	7518	2	128	1511	1502	ODA	1
S31338.H	08-JUN-93	14:41:20	7518	3	128	1511	1502	ODA	1
S31339.H	08-JUN-93	14:43:40	7518	1	128	1493	1502	ODA	1
S31340.H	08-JUN-93	14:45:10	7518	2	128	1493	1502	ODA	1
S31341.H	08-JUN-93	14:46:38	7518	3	128	1493	1502	ODA	1
S31342.H	08-JUN-93	14:55:16	7518	1	128	1511	1502	ODA	1
S31343.H	08-JUN-93	14:56:45	7518	2	128	1511	1502	ODA	1
S31344.H	08-JUN-93	14:58:20	7518	3	128	1511	1502	ODA	1
S31345.H	08-JUN-93	15:04:12	7518	1	128	1511	1502	ODA	1
S31346.H	08-JUN-93	15:05:41	7518	2	128	1511	1502	ODA	1
S31347.H	08-JUN-93	15:07:12	7518	3	128	1511	1502	ODA	1
S31348.H	08-JUN-93	15:09:11	7518	1	128	1517	1502	ODA	1
S31349.H	08-JUN-93	15:10:38	7518	2	128	1517	1502	ODA	1
S31350.H	08-JUN-93	15:12:10	7518	3	128	1517	1502	ODA	1
S31351.H	08-JUN-93	15:13:39	7518	1	128	1517	1502	ODA	1
S31352.H	08-JUN-93	15:15:06	7518	2	128	1517	1502	ODA	1
S31353.H	08-JUN-93	15:16:35	7518	3	128	1517	1502	ODA	1
S31354.H	08-JUN-93	15:19:00	0	3	128	1511	1502	ODA	0
S31355.H	08-JUN-93	15:20:19	0	3	128	1513	1502	ODA	0
S31356.H	08-JUN-93	15:21:48	0	3	128	1517	1502	ODA	0
S31357.H	08-JUN-93	18:44:58	7518	1	128	1511	1502	ODA	1
S31358.H	08-JUN-93	18:46:26	7518	2	128	1511	1502	ODA	1
S31359.H	08-JUN-93	18:48:00	7518	3	128	1511	1502	ODA	1
S31360.H	08-JUN-93	18:50:18	7518	1	128	1493	1502	ODA	1
S31361.H	08-JUN-93	18:51:45	7518	2	128	1493	1502	ODA	1
S31362.H	08-JUN-93	18:53:12	7518	3	128	1493	1502	ODA	1
S31363.H	08-JUN-93	18:57:58	7518	1	128	1511	1502	ODA	1
S31364.H	08-JUN-93	18:59:32	7518	2	128	1511	1502	ODA	1
S31365.H	08-JUN-93	19:01:04	7518	3	128	1511	1502	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
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S31367.H	08-JUN-93	19:09:01	7518	2	128	1511	1502	ODA	1
S31368.H	08-JUN-93	19:10:29	7518	3	128	1511	1502	ODA	1
S31369.H	08-JUN-93	19:15:31	7518	1	128	1513	1502	ODA	1
S31370.H	08-JUN-93	19:16:58	7518	2	128	1513	1502	ODA	1
S31371.H	08-JUN-93	19:20:41	7518	3	128	1513	1502	ODA	1
S31372.H	08-JUN-93	19:35:49	7518	1	128	1513	1502	ODA	1
S31373.H	08-JUN-93	19:37:16	7518	2	128	1513	1502	ODA	1
S31374.H	08-JUN-93	19:38:53	7518	3	128	1513	1502	ODA	1
S31375.H	08-JUN-93	19:40:33	7518	1	128	1515	1502	ODA	1
S31376.H	08-JUN-93	19:42:01	7518	2	128	1515	1502	ODA	1
S31377.H	08-JUN-93	19:43:33	7518	3	128	1515	1502	ODA	1
S31378.H	08-JUN-93	19:46:37	7518	1	128	1515	1502	ODA	1
S31379.H	08-JUN-93	19:48:22	7518	2	128	1515	1502	ODA	1
S31380.H	08-JUN-93	19:49:46	7518	3	128	1515	1502	ODA	1
S31381.H	08-JUN-93	19:51:59	0	3	128	1511	1502	ODA	0
S31382.H	08-JUN-93	19:53:20	0	3	128	1514	1502	ODA	0
S31383.H	08-JUN-93	19:54:49	0	3	128	1517	1502	ODA	0
S31384.H	08-JUN-93	19:56:01	0	3	128	1517	1502	ODA	0
S31385.H	09-JUN-93	15:40:41	7518	1	64	1510	1501	ODA	1
S31386.H	09-JUN-93	15:41:44	7518	2	64	1510	1501	ODA	1
S31387.H	09-JUN-93	15:42:52	7518	3	64	1510	1501	ODA	1
S31388.H	09-JUN-93	15:44:47	7518	1	64	1510	1501	ODA	1
S31389.H	09-JUN-93	15:46:36	7518	2	64	1510	1501	ODA	1
S31390.H	09-JUN-93	15:47:41	7518	3	64	1510	1501	ODA	1
S31391.H	09-JUN-93	19:09:19	7518	1	128	1492	1501	ODA	1
S31392.H	09-JUN-93	19:13:49	7518	2	128	1492	1501	ODA	1
S31393.H	09-JUN-93	19:15:15	7518	3	128	1492	1501	ODA	1
S31394.H	09-JUN-93	19:17:16	7518	1	128	1510	1501	ODA	1
S31395.H	09-JUN-93	19:18:41	7518	2	128	1510	1501	ODA	1
S31396.H	09-JUN-93	19:22:56	7518	3	128	1510	1501	ODA	1
S31397.H	09-JUN-93	19:25:28	7518	1	128	1510	1501	ODA	1
S31398.H	09-JUN-93	19:28:18	7518	2	128	1510	1501	ODA	1
S31399.H	09-JUN-93	19:30:43	7518	3	128	1510	1501	ODA	1
S31400.H	11-JUN-93	15:08:54	7522	1	128	1495	1504	ODA	1
S31401.H	11-JUN-93	15:10:31	7522	2	128	1495	1504	ODA	1
S31402.H	11-JUN-93	15:11:57	7522	3	128	1495	1504	ODA	1
S31403.H	11-JUN-93	15:13:58	7522	1	128	1504	1504	ODA	1
S31404.H	11-JUN-93	15:14:44	7522	1	2	1504	1504	ODA	1
S31405.H	11-JUN-93	15:16:59	7522	1	128	1513	1504	ODA	1
S31406.H	11-JUN-93	15:18:24	7522	2	128	1513	1504	ODA	1
S31407.H	11-JUN-93	15:19:51	7522	3	128	1513	1504	ODA	1
S31408.H	11-JUN-93	15:21:24	7522	1	128	1513	1504	ODA	1
S31409.H	11-JUN-93	15:22:54	7522	2	128	1513	1504	ODA	1
S31410.H	11-JUN-93	15:24:21	7522	3	128	1513	1504	ODA	1
S31411.H	11-JUN-93	15:26:06	7522	1	128	1515	1504	ODA	1
S31412.H	11-JUN-93	15:27:39	7522	2	128	1515	1504	ODA	1
S31413.H	11-JUN-93	15:29:07	7522	3	128	1515	1504	ODA	1
S31414.H	11-JUN-93	15:30:35	7522	1	128	1515	1504	ODA	1
S31415.H	11-JUN-93	15:32:09	7522	2	128	1515	1504	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	AP	ENH	FP	CF	TAPE	C.T.
S31416.H	11-JUN-93	15:33:49	7522	3	128	1515	1504	ODA	1
S31417.H	11-JUN-93	15:35:32	7522	1	128	1519	1504	ODA	1
S31418.H	11-JUN-93	15:37:19	7522	2	128	1519	1504	ODA	1
S31419.H	11-JUN-93	15:38:43	7522	3	128	1519	1504	ODA	1
S31420.H	11-JUN-93	15:40:25	0	3	128	1513	1504	ODA	0
S31421.H	11-JUN-93	15:41:44	0	3	128	1516	1504	ODA	0
S31422.H	11-JUN-93	15:43:06	0	3	128	1519	1504	ODA	0
S31423.H	11-JUN-93	17:57:01	7522	1	128	1495	1504	ODA	1
S31424.H	11-JUN-93	17:58:33	7522	2	128	1495	1504	ODA	1
S31425.H	11-JUN-93	17:59:58	7522	3	128	1495	1504	ODA	1
S31426.H	11-JUN-93	18:02:34	7522	1	128	1513	1504	ODA	1
S31427.H	11-JUN-93	18:04:00	7522	2	128	1513	1504	ODA	1
S31428.H	11-JUN-93	18:05:29	7522	3	128	1513	1504	ODA	1
S31429.H	11-JUN-93	18:07:07	7522	1	128	1513	1504	ODA	1
S31430.H	11-JUN-93	18:12:48	7522	2	128	1513	1504	ODA	1
S31431.H	11-JUN-93	18:14:15	7522	3	128	1513	1504	ODA	1
S31432.H	11-JUN-93	18:15:50	7522	1	128	1515	1504	ODA	1
S31433.H	11-JUN-93	18:17:16	7522	2	128	1515	1504	ODA	1
S31434.H	11-JUN-93	18:18:43	7522	3	128	1515	1504	ODA	1
S31435.H	11-JUN-93	18:21:12	7522	1	128	1515	1504	ODA	1
S31436.H	11-JUN-93	18:22:50	7522	2	128	1515	1504	ODA	1
S31437.H	11-JUN-93	18:24:16	7522	3	128	1515	1504	ODA	1
S31438.H	11-JUN-93	18:26:33	7522	1	128	1519	1504	ODA	1
S31439.H	11-JUN-93	18:28:05	7522	2	128	1519	1504	ODA	1
S31440.H	11-JUN-93	18:29:29	7522	3	128	1519	1504	ODA	1
S31441.H	11-JUN-93	18:30:56	7522	1	128	1519	1504	ODA	1
S31442.H	11-JUN-93	18:32:35	7522	2	128	1519	1504	ODA	1
S31443.H	11-JUN-93	18:34:00	7522	3	128	1519	1504	ODA	1
S31444.H	28-JUN-93	14:29:22	7529	1	64	1513	1504	ODA	1
S31445.H	28-JUN-93	14:31:57	7529	2	64	1513	1504	ODA	1
S31446.H	28-JUN-93	14:33:26	7529	3	64	1513	1504	ODA	1
S31447.H	28-JUN-93	20:06:06	7530	1	128	1515	1506	ODA	1
S31448.H	28-JUN-93	20:09:31	7530	2	128	1515	1506	ODA	1
S31449.H	28-JUN-93	20:10:59	7530	3	128	1515	1506	ODA	1
S31450.H	28-JUN-93	20:12:38	7530	1	128	1515	1506	ODA	1
S31451.H	28-JUN-93	20:14:06	7530	2	128	1515	1506	ODA	1
S31452.H	28-JUN-93	20:15:33	7530	3	128	1515	1506	ODA	1
S31453.H	28-JUN-93	20:17:55	7530	1	128	1497	1506	ODA	1
S31454.H	28-JUN-93	20:19:21	7530	2	128	1497	1506	ODA	1
S31455.H	28-JUN-93	20:20:49	7530	3	128	1497	1506	ODA	1
S31456.H	28-JUN-93	20:22:52	7530	1	128	1505	1506	ODA	1
S31457.H	28-JUN-93	20:23:40	7530	1	2	1505	1506	ODA	1
S31458.H	28-JUN-93	20:27:27	7530	1	128	1515	1506	ODA	1
S31459.H	28-JUN-93	20:29:00	7530	2	128	1515	1506	ODA	1
S31460.H	28-JUN-93	20:30:27	7530	3	128	1515	1506	ODA	1
S31461.H	28-JUN-93	20:32:24	7530	1	128	1517	1506	ODA	1
S31462.H	28-JUN-93	20:33:55	7530	2	128	1517	1506	ODA	1
S31463.H	28-JUN-93	20:40:20	7530	3	128	1517	1506	ODA	1
S31464.H	28-JUN-93	20:47:06	7530	1	128	1517	1506	ODA	1
S31465.H	28-JUN-93	20:49:47	7530	2	128	1517	1506	ODA	1

# MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	$\lambda$ P	ENH	FP	CF	TAPE	C.T.
S31466.H	28-JUN-93	20:51:15	7530	3	128	1517	1506	ODA	1
S31467.H	30-JUN-93	14:23:34	7530	1	128	1513	1504	ODA	1
S31468.H	30-JUN-93	14:25:09	7530	2	128	1513	1504	ODA	1
S31469.H	30-JUN-93	14:27:01	7530	3	128	1513	1504	ODA	1
S31470.H	30-JUN-93	14:29:31	7530	1	128	1495	1504	ODA	1
S31471.H	30-JUN-93	14:31:02	7530	2	128	1495	1504	ODA	1
S31472.H	30-JUN-93	14:32:36	7530	3	128	1495	1504	ODA	1
S31473.H	30-JUN-93	14:48:37	7530	1	128	1503	1504	ODA	1
S31474.H	30-JUN-93	14:49:25	7530	1	2	1503	1504	ODA	1
S31475.H	30-JUN-93	14:52:33	7530	1	128	1513	1504	ODA	1
S31476.H	30-JUN-93	14:54:11	7530	2	128	1513	1504	ODA	1
S31477.H	30-JUN-93	14:55:38	7530	3	128	1513	1504	ODA	1
S31478.H	30-JUN-93	14:57:30	7530	1	128	1513	1504	ODA	1
S31479.H	30-JUN-93	14:59:19	7530	2	128	1513	1504	ODA	1
S31480.H	30-JUN-93	15:00:57	7530	3	128	1513	1504	ODA	1
S31481.H	30-JUN-93	15:02:48	7530	1	128	1515	1504	ODA	1
S31482.H	30-JUN-93	15:04:24	7530	2	128	1515	1504	ODA	1
S31483.H	30-JUN-93	15:05:56	7530	3	128	1515	1504	ODA	1
S31484.H	30-JUN-93	15:11:21	7530	1	128	1515	1504	ODA	1
S31485.H	30-JUN-93	15:12:53	7530	2	128	1515	1504	ODA	1
S31486.H	30-JUN-93	15:15:21	7530	3	128	1515	1504	ODA	1
S31487.H	30-JUN-93	16:09:38	7529	1	128	1511	1503	ODA	1
S31488.H	30-JUN-93	18:03:45	7529	1	128	1512	1503	ODA	1
S31489.H	30-JUN-93	18:05:14	7529	2	128	1512	1503	ODA	1
S31490.H	30-JUN-93	18:06:53	7529	3	128	1512	1503	ODA	1
S31491.H	30-JUN-93	18:09:13	7529	1	128	1493	1503	ODA	1
S31492.H	30-JUN-93	18:10:43	7529	2	128	1493	1503	ODA	1
S31493.H	30-JUN-93	18:12:11	7529	3	128	1493	1503	ODA	1
S31494.H	30-JUN-93	18:14:18	7529	1	128	1503	1503	ODA	1
S31495.H	30-JUN-93	18:15:33	7529	1	2	1503	1503	ODA	1
S31496.H	30-JUN-93	18:17:55	7529	1	128	1512	1503	ODA	1
S31497.H	30-JUN-93	18:21:30	7529	2	128	1512	1503	ODA	1
S31498.H	30-JUN-93	18:22:56	7529	3	128	1512	1503	ODA	1
S31499.H	30-JUN-93	18:24:36	7529	1	128	1515	1503	ODA	1
S31500.H	30-JUN-93	18:26:48	7529	2	128	1515	1503	ODA	1
S31501.H	30-JUN-93	18:28:25	7529	3	128	1515	1503	ODA	1
S31502.H	30-JUN-93	18:32:30	0	3	128	1513	1504	ODA	0
S31503.H	30-JUN-93	18:33:58	0	3	128	1515	1504	ODA	0
S31504.H	30-JUN-93	18:35:05	0	3	128	1515	1504	ODA	0
S31505.H	30-JUN-93	19:01:10	7530	1	128	1513	1504	ODA	1
S31506.H	30-JUN-93	19:02:43	7530	2	128	1513	1504	ODA	1
S31507.H	30-JUN-93	19:05:12	7530	3	128	1513	1504	ODA	1
S31508.H	30-JUN-93	19:07:28	7530	1	128	1495	1504	ODA	1
S31509.H	30-JUN-93	19:09:01	7530	2	128	1495	1504	ODA	1
S31510.H	30-JUN-93	19:11:20	7530	3	128	1495	1504	ODA	1
S31511.H	30-JUN-93	19:13:48	7530	1	128	1513	1504	ODA	1
S31512.H	30-JUN-93	19:15:14	7530	2	128	1513	1504	ODA	1
S31513.H	30-JUN-93	19:16:39	7530	3	128	1513	1504	ODA	1



## Appendix B

# H-ALPHA OBSERVATIONS





# **H ALPHA OBSERVATIONS**

<b>DATE</b>	<b>DOY</b>	<b>REGION</b>	<b>TIME</b>	<b>FRAMES</b>	<b>ACTIVITY</b>	<b>TAPE</b>
<b>2-07-93</b>	<b>38</b>	<b>7420</b>	<b>1852-1909</b>	<b>10000- 40000</b>	<b>FLARE</b>	<b>115</b>
<b>2-08-93</b>	<b>39</b>	<b>7420</b>	<b>1709-1738</b>	<b>00000- 36000</b>	<b>FLARE</b>	
<b>2-09-93</b>	<b>40</b>	<b>7420</b>	<b>2052-2055</b>	<b>36000- 42000</b>		

# H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
4-07-93	97	7469	1352-1414	42000- 71000	FLARE	115
			1417-1421	00000- 08100		116
		7465	1504-1527	08100- 20000		
4-22-93	112	7477	1408-1430	00000- 40000	FLARE	
4-23-93	113	7477	1350-1356	40000- 50000		
			1732-1735	50000- 54000		

# H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
5-06-93	126	7496	1443-1456	54000- 78000		116
5-07-93	127	7496	1457-1505	78000- 93000	FLARE	
5-18-93	138	7504	1510-1512	00000- 05000		117

# H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
6-02-93	153	7515	2100-2102	05000- 10000		117
6-04-93	155	7518	2025-2031	10000- 20000		
6-07-93	158	7518	1404-1456	20000-112000	FLARE	
			1457-1503	00000- 12000	FLARE	118
			1850-1901	12000- 32000	FLARE	
6-08-93	159	7518	1431-1436	32000- 42000		
			1901-1903	42000- 44000		
6-11-93	162	7522	1831-1834	44000- 50000		

## Appendix C

# WHITE-LIGHT OBSERVATIONS



# **WHITE LIGHT OBSERVATIONS**

<b>DATE</b>	<b>TIME</b>	<b>EXPS</b>	<b>WEATHER</b>
<b>2-08-93</b>	<b>1745</b>	<b>2</b>	<b>CLEAR</b>
	<b>1830</b>	<b>2</b>	
	<b>2030</b>	<b>2</b>	
<b>2-09-93</b>	<b>1645</b>	<b>2</b>	<b>CLEAR</b>
	<b>1932</b>	<b>2</b>	
<b>2-22-93</b>	<b>1615</b>	<b>2</b>	<b>CLEAR</b>

# WHITE LIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
4-07-93	1335	2	HAZY
	1742	2	CLOUDY
4-22-93	1740	2	CLEAR
4-23-93	1325	2	CLEAR
4-27-93	1745	2	CLEAR
4-29-93	1612	2	CLEAR



# WHITE LIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
5-05-93	1515	2	CLEAR
5-07-93	1430	2	HAZY
5-10-93	1543	2	CLOUDY
5-14-93	1550	2	CLOUDY
5-18-93	1530	2	CLOUDY
5-20-93	1315	2	CLEAR

# **WHITE LIGHT OBSERVATIONS**

<b>DATE</b>	<b>TIME</b>	<b>EXPS</b>	<b>WEATHER</b>
<b>6-03-93</b>	<b>1320</b>	<b>2</b>	<b>CLEAR</b>
<b>6-07-93</b>	<b>1330</b>	<b>2</b>	<b>HAZY</b>
<b>6-08-93</b>	<b>1448</b>	<b>2</b>	<b>HAZY</b>
<b>6-11-93</b>	<b>1547</b>	<b>2</b>	<b>CLEAR</b>
<b>6-30-93</b>	<b>1547</b>	<b>2</b>	<b>CLOUDY</b>

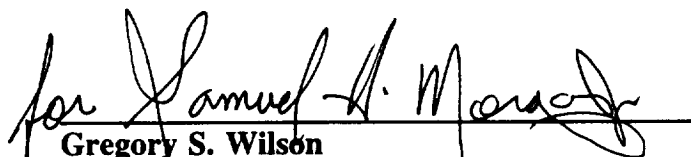
## **APPROVAL**

### **NASA MARSHALL SPACE FLIGHT CENTER SOLAR OBSERVATORY - JANUARY-JUNE 1993**

**By**

**J. E. Smith**

**This report has been reviewed for technical accuracy and contains no information concerning national security or nuclear energy activities or programs. The report, in its entirety, is unclassified.**

  
Gregory S. Wilson  
Director, Space Science Laboratory









